SERVICE MANUAL

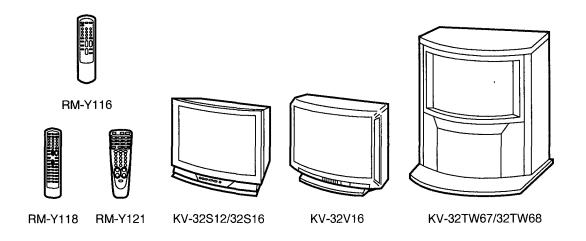
AA - 1 CHASSIS

MODEL	COMMANDER DEST. CHASSIS NO.	MODEL	COMMANDER DEST. CHASSIS NO.
KV-32S12	RM-Y116 US SCC-F84V-A	KV-32TW67	RM-Y118 US SCC-F84Y-A
KV-32S12	RM-Y116 Canadian SCC-F85S-A	KV-32TW68	RM-Y118 US SCC-H76A-A
KV-32S16	RM-Y121 US SCC-F84W-A	KV-32V16	RM-Y121 US SCC-F84X-A
KV-32S16	RM-Y121 Canadian SCC-F85T-A	KV-32V16	RM-Y121 Canadian SCC-F85R-A

Note:

1. Adjustment Manual for this model is separately published.

	Adjustment Manual
Part No.	9-965-038-01







SPECIFICATIONS

KV-32S12			maximum volume setting (variable)
Television system	American TV standards		More than 408 mVrms (fix)
Channel coverage	VHF: 2 - 13		Impedances: 5 kilo-ohms
	UHF: 14 - 69	Speaker output	5 W x 2
	CATV: 1 - 125	Power requirements	120 V AC, 60 Hz
Picture tube	Hi-Black™ Trinitron® tube	Power consumption	When in use: 195 W
	32-inch picture measured diagonally		In standby: 6 W
Antenna	75-ohm external antenna terminal for	Dimensions (W/H/D)	781 x 714 x 613 mm
	VHF/UHF	*** * * .	(30 3/4 x 28 1/8 x 24 1/4 inches)
Input	VIDEO and S VIDEO	Weight	69 kg (152 lbs 9 oz)
	S VIDEO IN	Supplied accessories	Remote Commander RM-Y121 (1)
	Y: 1 Vp-p, 75-ohms unbalanced,		with 1 size AA (R6) battery
	sync negative	Optional accessories	U/V mixer EAC-66
	C: 0.286 Vp-p (Burst signal),		Connecting cable
	75-ohms		VMC-810S/820S, VMC-720M,
	Video: 1 Vp-p, 75-ohms		YC-15V/30V, RK-74A
	unbalanced, sync negative	KV-32TW67/68	
	Audio: 500 mVrms (100%		
	modulation)	Television system	American TV standards
	Impedance: 47 kilo-ohms	Channel coverage	VHF: 2 - 13
Speaker output	5 W x 2		UHF: 14 - 69
Power requirements	120 V AC, 60 Hz	_,	CATV: 1 - 125
Power consumption	When in use: 190 W	Picture tube	Hi-Black Trinitron® tube
	In standby: 6 W		32-inch picture measured diagonally
Dimensions (W/H/D)	781 x 714 x 613 mm	Antenna	75-ohm external antenna terminal for
	(30 3/4 x 28 1/8 x 24 1/4 inches)		VHF/UHF
Weight	69 kg (152 lbs 9 oz)	Input	VIDEO and S VIDEO
Supplied accessories	Remote Commander RM-Y116 (1)		S VIDEO IN
	with 2 size AA (R6) batteries		Y: 1 Vp-p, 75-ohms unbalanced,
Optional accessories	U/V mixer EAC-66		sync negative
	Connecting cable		C: 0.286 Vp-p (Burst signal),
	VMC-810S/820S, VMC-720M,		75-ohms
	YC-15V/30V, RK-74A		Video: 1 Vp-p, 75-ohms
KV-32S16			unbalanced, sync negative
			Audio: 500 mVrms
Television system	American TV standards		(100% modulation)
Channel coverage	VHF: 2 - 13	0	Impedance : 47 kilo-ohms
	UHF: 14 - 69	Output	AUDIO:
	CATV: 1 - 125		More than 408 mVrms at the
Picture tube	Hi-Black™ Trinitron® tube		maximum volume setting (variable)
	32-inch picture measured diagonally		More than 408 mVrms (fix)
Antenna	75-ohm external antenna terminal for	Canalian autaut	Impedances · 5 kilo-ohms
*	VHF/UHF	Speaker output	5 W x 2
Input	VIDEO and S VIDEO		Audio frequency response :
	S VIDEO IN	Dames	Front 80 Hz - 20 KHz
	Y: 1 Vp-p, 75-ohms unbalanced,	Power requirements	120 V AC, 60 Hz
	sync negative	Power consumption	When in use: 195 W
	C: 0.286 Vp-p (Burst signal),	Dimensions (W/III/D)	In standby: 6 W
	75-ohms	Dimensions (W/H/D)	895 x 1117 x 700 mm
	Video: 1 Vp-p, 75-ohms	Waight	(35 1/4 x 44 x 27 5/8 inches)
	unbalanced, sync negative	Weight	108.6 kg (239 lbs)
	Audio: 500 mVrms	Supplied accessories	Remote Commander RM-Y118 (1)
	(100% modulation)	Ontional accompanies	with 1 size AA (R6) battery U/V mixer EAC-66
	Impedance: 47 kilo-ohms	Optional accessories	
Output	AUDIO OUT:		Connecting cable VMC-810S/820S, VMC-720M,
	More than 408 mVrms at the		VMC-8105/8205, VMC-720M,

YC-15V/30V, RK-74A

KV-32V16

American TV standards Television system

VHF: 2 - 13 Channel coverage

> UHF: 14-69 CATV: 1 - 125

Picture tube Hi-Black™ Trinitron® tube

32-inch (736mm) picture measured

diagonally

75-ohm external antenna terminal for Antenna

VHF/UHF

VIDEO and S VIDEO Input

Video: 1 Vp-p, 75-ohms

unbalanced, sync negative

Audio: 500 mVrms (100%

modulation)

Impedance: 47 kilo-ohms

AUDIO OUT: Output

More than 408 mVrms at the

maximum volume setting (variable)

More than 408 mVrms (fix) Impedances: 5 kilo-ohms

Speaker output 5 W x 2

Power requirements 120 V AC, 60 Hz When in use: 205 W Power consumption

In standby: 6.5 W

Dimensions (W/H/D) 801 x 664 x 603 mm

(31 5/8 x 26 1/4 x 23 3/4 inches)

Weight 70 kg (154 lbs 2 oz)

Remote Commander RM-Y121 (1) Supplied accessories

with 1 size AA (R6) battery

RM-CM101

Optional accessories U/V mixer EAC-66

Connecting cable

VMC-810S/820S, VMC-720M,

YC-15V/30V, RK-74A

Design and specifications are subject to change without notice.

(CAUTION)

SHORT CIRCUIT THE ANODE OF THE PICTURE TUBE AND THE ANODE CAP TO THE METAL CHASSIS, CRT SHIELD, OR CARBON PAINTED ON THE CRT, AFTER REMOVING THE ANODE.

WARNING!!

AN ISOLATION TRANSFORMER SHOULD BE USED DURING ANY SERVICE TO AVOID POSSIBLE SHOCK HAZARD, BECAUSE OF LIVE CHASSIS.

THE CHASSIS OF THIS RECEIVER IS DIRECTLY CONNECTED

TO THE AC POWER LINE

SAFETY-RELATED COMPONENT WARNING!! COMPONENTS IDENTIFIED BY SHADING AND MARK A ON THE SCHEMATIC DIAGRAMS, EXPLODED VIEWS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION REPLACE THESECOMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY CIRCUIT ADJUSTMENTS THAT ARE CRITICAL TO SAFEOPERATION ARE IDENTIFIED IN THIS MANUAL. FOLLOW THESE PROCEDURES WHENEVER CRITICAL COMPONENTS ARE REPLACED OR IMPROPER OPERATION IS SUSPECTED

(ATTENTION)

APRES AVOIR DECONNECTE LE CAP DE L'ANODE, COURTCIRCUITER L'ANODE DU TUBE CATHODIQUE ET CELUI DE L'ANODE DU CAP AU CHASSIS METALLIQUE DE L'APPAREIL, OU AU COUCHE DE CARBONE PEINTE SUR LE TUBE CATHODIQUE OU AU BLINDAGE DU TUBE CATHODIQUE.

ATTENTION!!

AFIN D'EVITER TOUT RISQUE DELECTROCUTION PROVENANT D'UN CHÁSSIS SOUS TENSION, UN TRANSFORMATEUR D'ISOLEMENT DOIT ETRE UTILISÉ LORS DE TOUT DEPANNAGE LE CHÁSSIS DE CE RECEPTEUR EST DIRECTEMENT RACCORDÉ Á L'ALIMENTATION SECTEUR

ATTENTION AUX COMPOSANTS RELATIFS ÁLA SÉCURITÉ!!

LES COMPOSANTS IDENTIFIÉS PAR UNE TRAME ET PAR UNE MAPQUE A SUR LES SCHÉMAS DE PRINCIPE, LES VUES EXPLOSÉES ET LES LISTES DE PIECES CONT D'UNEIMPORTANCE CRITIQUE POUR LA SÉCURITÉ DU FONCTIONNEMENT NE LES REMPLACER QUE PAR DES COMPOSANTS SONY DONT LE NUMÉRO DE PIÉCE EST INDIQUÉ DANS LE PRÉSENT MANUEL OU DANS DES SUPPLÉMENTS PUBLIÉS PAR SONY. LES RÉGLAGES DE CIRCUIT DONT L'IMPORTANCE EST CRITIQUE POUR LA SÉCURITÉ DU FONCTIONNEMENT SONT IDENTIFIES DANS LE PRÉSENT MANUEL SUIVRE CES PROCÉDURES LORS DE CHAQUE REMPLACEMENT DE COMPOSANTS CRITIQUES, OU LORSQU'UN MAUVAIS FONCTIONNEMENT EST SUSPECTÉ

SAFETY CHECK-OUT

(US model only)

After correcting the original service problem, perfom the following safety checks before releasing the set to the customer

- Check the area of your repair for unsoldered or poorly-soldered connections. Check the entire board surface for solder splashes and bridges.
- 2. Check the interboard wiring to ensure that no wires are "pinched" or contact high-wattage resistors.
- 3. Check that all control knobs, shields, covers, ground straps, and mounting hardware have been replaced. Be absolutely certain that you have replaced all the insulators.
- 4. Look for unauthorized replacement parts, particularly transistors, that were installed during a previous repair. Point them out to the customer and recommend their replacement.
- Look for parts which, through functioning, show obvious signs of deterioration. Point them out to the customer and recom mend their replacement.
- 6. Check the line cords for cracks and abrasion. Recommend the replacement of any such line cord to the customer.
- 7. Check the condition of the monopole antenna (if any). Make sure the end is not broken off, and has the plastic cap on it. Point out the danger of impalement on a broken antenna to the customer, and recommend the antenna's replacement.
- Check the B+ and HV to see they are at the values specified.
 Make sure your instruments are accurate; be suspicious of your HV meter if sets always have low HV.
- Check the antenna temminals, metal trim, "metallized" knobs, screws, and all other exposed metal parts for AC leakage. Check leakage as described below.

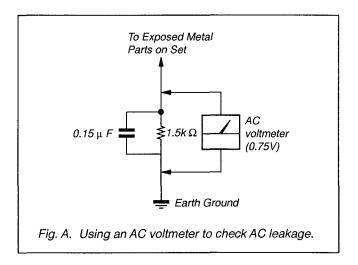
LEAKAGE TEST

The AC leakage from any exposed metal part to earth ground and from all exposed metal parts to any exposed metal part having a return to chassis, must not exceed 0.5mA (500 microampers). Leakage current can be measured by any one of three methods.

- A commercial leakage tester, such as the Simpson 229 or RCA WT-540A. Follow the manufacturers' instructions to use these instruments.
- 2. A battery-operated AC milliammeter. The Data Precision 245 digital multimeter is suitable for this job.
- 3. Measuring the voltage drop across a resistor by means of a VOM or battery-operated AC voltmeter. The "limit" indication is 0.75V, so analog meters must have an accurate low-voltage scale. The Simpson 250 and Sanwa SH-63Trd are examples of a passive VOM that is suitable. Nearly all battery operated digital multimeters that have a 2V AC range are suitable. (See Fig. A)

HOW TO FIND A GOOD EARTH GROUND

A cold-water pipe is guaranteed earth ground; the cover-plate retaining screw on most AC outlet boxes is also at earth ground. If the retaining screw is to be used as your earth-ground, verify that it is at ground by measuring the resistance between it and a cold-water pipe with an ohmmeter. The reading should be zero ohms. If a cold-water pipe is not accessible, connect a 60-l00 watts trouble light (not a neon lamp) between the hot side of the receptacle and the retaining screw. Try both slots, if necessary, to locate the hot side of the line, the lamp should light at normal brilliance if the screw is at ground potential. (See Fig. B)



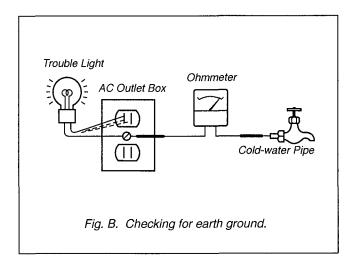


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The Instruction Manual of KV-32V16.

SECTION1 **GENERAL**

The operating instructions mentioned here are partial abstracts from the Operating Instruction Manual. The page numbers of the Operating Instruction Manual remein as in the manual.

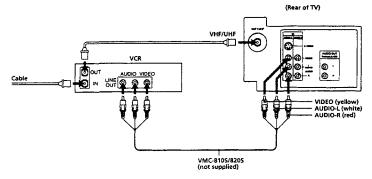
Connecting an antenna/cable TV system with a VCR

To connect your VCR to the TV, first check the model number of your TV and select the corresponding connection. For details on connection, see the instruction manual of your VCR. Before making connection, disconnect the AC power cords of the equipment to be connected.

After making these connections, you will be able to do the following:

- View the playback of video tapes
- · Record one TV program while viewing another
- · Watch two TV programs at once using a window picture (picture-in-picture)

Without a cable box

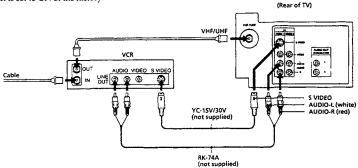


Note

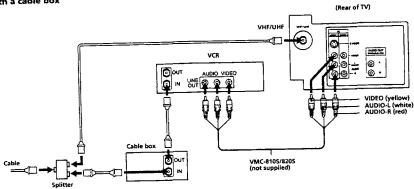
· To connect a monaural VCR, connect the audio output of the VCR to AUDIO-L (mono) of VIDEO 1 IN on the TV.

To an S video equipped VCR without a cable box

If your VCR has an S video output jack, hook up as tollows and then set S VIDEO to ON on your TV (page 12). It is set to ON at the factory.



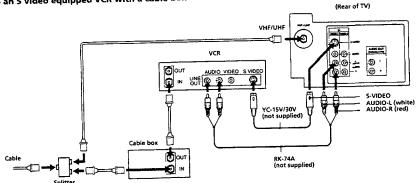
With a cable box



Note

 To connect a monaural VCR, connect the audio output of the VCR to AUDIO-L (mono) of VIDEO 1 IN on the TV.

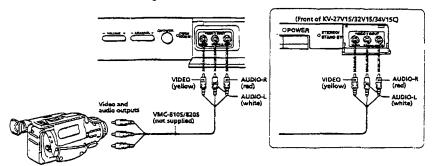
To an S video equipped VCR with a cable box



 Video signals are composed of Y (luminance) and C (chroma) signals. The S connection sends the two signals separately preventing degradation, and gives better picture quality compared to conventional connection.

Connecting a camcorder

This connection is convenient for viewing a carncorder.

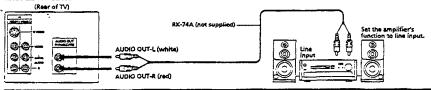


Note

 To connect a monaural camcorder, connect the audio output or the VCR to AUDIO-L (mono) of VIDEO 2 INPUT on the TV.

Connecting an audio system

when connecting audio equipment, see page 20 for more information.



Connecting other Sony equipment with CONTROL S jack

Connect the supplied cable box controller (Cable Mouse) to the CONTROL S OUT jack. Rafer to the the Cable Mouse's manual for details on the connection.



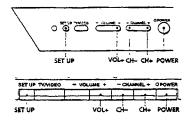
Make the following connections to control the TV and connected equipment with one remote commander.

- To control other Sony equipment with the TV's remote commander, connect the input of the equipment to CONTROL SOUT jack on the TV.
- To control the TV with the remote commander of other Sony equipment, connect the output of the equipment to CONTROL S IN jack on the TV.

Step 3: Setting up the TV automatically

For calls incontrol (Cable Mices) (1881)

You can set up your TV easily by using the AUTO SET UP feature. It presets all the receivable channels. To set up the TV manually, see "Setting cable TV on or off" (page 12) and "Presetting channels" (page 12). If the TV is set to a video input, you cannot execute AUTO SET UP. Press TV/VIDEO or TV so that a channel number appears.



1 Press POWER to turn the TV on.



2 Press SET UP on the front of the TV.

The menu appears.





3 Press CH +.



AUTO PROGRAM

"AUTO PROGRAM" appears on the screen and the TV starts scanning and presetting channels automatically. When all the receivable channels are stored, "AUTO PROGRAM" disappears and the lowest numbered channel is displayed. If the TV receives cable TV channels, CATV is set to ON automatically.

Notes

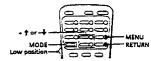
- If more than 90 seconds elapse after you press a button, the menu disappears automatically.
- In case of using the AUX connector, press the TV button on the remote commander first and make sure that "AUX" is displayed beside the channel number on the screeen. Then follow steps 2 and 3 above to perform AUTO SET UP. (KV-32VI5 only)

DEMO: To browse the main functions, Press VOL + in step 3. The functions and menus are displayed one by one.

FACTORY PRESET: To restore the factory settings when you are concused about the TV settings, Press CH—in step 3. The settings of picture and sound are restored to the factory setting.

Erasing or adding channels

After AUTO SET UP you can erase unnecessary channels or add the channels you want. Preset channels during the day rather than late at night, when some channels may not be broadcasting.



1 Press MENU.

The main menu appears.





(continued)

2 Press + + or − + to move the cursor (►) to SET UP and press RETURN.

The SET UP menu appears.





3 Press + + or ~ + to move the cursor (►) to CH SET UP and press RETURN.

The CH SET UP menu appears.





4 Press + + or - + to move the cursor (►) to CH ERASE/ADD and press RETURN.

The CH ERASE/ADD menu appears.



 ∞



5 Erase and/or add the channel you want: To erase an unwanted channel

- (1) Make sure the cursor (▶) is beside ERASE.
- (2) Press CH +/- to select the channel you want to erase and,

Selected channel number





(3) press RETURN.

The indication "-" appears beside the channel number, showing that the channel is erased from the preset memory.



To add a channel that you want

- (1) Press + ♦ or ♦ to move the cursor (▶) to ADD.
- (2) Press the 0 9 buttons to select the channel you want to add and press ENTER and,

Selected channel number





(3) press RETURN.

The indication "+" appears beside the channel number, showing that the channel is added to the preset memory.



- 6 To erase and/or add other channels, repeat step 5.
- 7 When you finish, press MENU.



Note:

- If you erase or add a VHF or UHF channel, the cable TV channel with the same number is also erased or added, and vice versa.
- Erasing and adding channels are also available for the AUX input. (KV-32V15 only)

Setting cable TV on or off

For cable box control (Cable Mouse) users

Refer to the supplied Cable Mouse manual on how to set cable TV:

If you have connected the TV to a cable TV system, set CABLE to ON, the factory setting. If not, set CABLE to OFF.

You do not have to do this procedure if you execute AUTO SET UP (page 10). Do this procedure only when you want to set it manually.

- 1 Press MENU.
- 2 Press + + or + to move the cursor (▶) to SET UP and press RETURN.
- 3 Press + + or + to move the cursor (►) to CH SET UP and press RETURN.



4 Set CABLE to ON or OFF:

- (1) Make sure the cursor (▶) is beside CABLE and press RETURN.
 - If the cursor is not beside CABLE, press + ♠ or ♣ to move the cursor and press RETURN.
- (2) Press + ♦ or ♦ to select ON or OFF and, press RETURN.



5 Press MENU to return to the original screen.

Note

 If CH SET UP appears in black, the TV is set to a video input and you cannot select CABLE. Press TV/VIDEO or TV so that a channel number appears.

Presetting channels

For cable box control (Cable Mouse) users

Refer to the supplied Cable Mouse manual on how to preset channels.

You can preset TV channels easily by using the AUTO PROGRAM feature.

You do not have to do this procedure if you execute AUTO SET UP (page 10). Do this procedure only when you want to set it manually.

- 1 Press MENU.
- 2 Press + + or + to move the cursor (►) to SET UP and press RETURN.
- 3 Press + + or + to move the cursor (►) to CH SET UP and press RETURN.



4 Press + + or − + to move the cursor (►) to AUTO PROGRAM and press RETURN.

AUTO PROGRAM

"AUTO PROGRAM" appears on the screen and the TV starts scanning and presetting channels automatically. When all the receivable channels are stored, "AUTO PROGRAM" disappears and the lowest numbered channel is displayed.

5 Press MENU to return to the original screen.

Notes

- If the CH SET UP menu appears in black, the TV is set to a video input and you cannot select AUTO PROGRAM. Press TV/VIDEO or TV so that a channel number appears.
- Presetting channels is also available for the AUX input, (KV-32V15 only)

Setting 5 video on or off

You can change the S VIDEO menu to ON or OFF.

- 1 Press TV/VIDEO to select VIDEO 1.
- 2 Press MENU.
- 3 Press + + or + to move the cursor (▶) to SET UP and press RETURN.
- 4 Press + + or + to move the cursor (▶) to S VIDEO and press RETURN.



5 Press + + or - + to select ON or OFF and press RETURN.

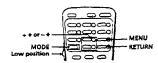


6 Press MENU to return to the original screen.

- If S VIDEO appears in black, set a video input to VIDEO 1.
- . If you set S VIDEO to ON, the TV automatically receive S video signals whenever a VCR with S video is connected.

Changing the menu language

If you prefer Spanish to English, you can change the menu language.



1 Press MENU.

The main menu appears.





2 Press + + or - + to move the cursor (▶) to ENGLISH and press RETURN.







3 Press ++ or -+ to select ESPANOL and press RETURN.



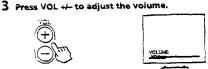


4 Press MENU to return to the original screen.

Certain parts of the ESPANOL menus remain in English.

appears.

(1) (2) (3) (3) (7) (3) 3



Set the CABLE 30X/TV selector to TV.

Watching the TV

For cable box control (Cable Mouse wisers

_ **=**-----

1 Press POWER (TV) to turn the TV on.

2 Select the channel you want:

To select a channel directly

To scan through channels

If "VIDEO" appears on the screen, press the TV/

VIDEO or TV button so that a channel number

Press the 0 - 9 buttons and then press ENTER.

Press CH +/- until the channel you want appears.

The channel can also be selected without pressing

SLEEP

- POWER CIV

14 | Operations

Switching quickly between two channels

Press JUMP.

The channel you watched previously appears.



Pressing JUMP again switches back the channel.

Muting the sound

Press MUTING.

"MUTING" appears on the screen.



To restore the sound, press MUTING again, or press VOL+.

Displaying on-screen information

Use this feature to check the channel number, channel caption (if set), and MTS mode (if SAP is selected).

Press DISPLAY.



To cancel the display, press DISPLAY again.

Setting the Sleep Timer

The TV stays on for the length of time you specify and then shuts off automatically.

Press SLEEP repeatedly until the time (minutes) you want appears.

Each time you press SLEEP, the time changes as follows: $30 \rightarrow 60 \rightarrow 90 \rightarrow OFF$.



To cancel the Sleep Timer, press SLEEP repeatedly until "SLEEP OFF" appears, or turn the TV off.

Changing the VHF/UHF input to the **AUX input**

KV-32V15/34V15C only Press TV.



Pressing TV again switches back to the previous input.

Watching two programs at a time --PIP

The Picture-in-Picture (PIP) feature allows you to watch both the main picture and a window picture simultaneously.

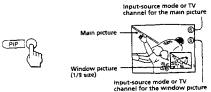
You can watch two TV channels at a time with this feature. See "Connecting an antenna/cable TV system with a VCR" (page 6) for connections.



Displaying a window picture

Press PIP





Press PIP again to display a smaller window picture.



To remove the window picture, press PIP again.

- If the main picture is not receiving an image, the window picture may be in black and white.
- The window picture may be affected by the condition of the main picture.
- The window picture sound is also output from the VARIABLE/FIX AUDIO OUT jacks when you listen to

Changing the window picture input

Press TV/VIDEO in the PIP control area to select the input mode.

Each time you press TV/VIDEO, "TV", "VIDEO 1", "VIDEO 2" and "VIDEO 3 (except for KV-27515/ 29RS15)" appear in sequence.





A window picture will appear in the same input mode as the last time you used PIP

Listening to the sound of the window picture

The A display appears for a few seconds, indicating that the window picture sound is being received.



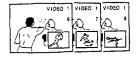


To restore the main picture sound, press AUDIO again.

Changing TV channels in the window picture

Press CH +/- in the PIP control area.





Changing the position of the window picture

Press POSITION.

Each time you press POSITION, the window picture will move counterclockwise on the screen.





Freezing the window picture

This feature is useful when you want to write down a recipe from a cooking program, a displayed address or a phone number and so on.

Press FREEZE.





To restore the normal screen, press FREEZE again.

Swapping the main and window pictures

Press SWAP.

Each time you press SWAP, the images from the main and window pictures switch places along with the

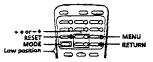




. The channels being received intough the AUX jack cannot se cisplayed as a window picture (KV-32V15/34V15C oray).

Adjusting the picture (VIDEO)

When watching TV programs, you can adjust the quality of the picture to suit your taste. You can adjust the picture of video input(s) as well. These settings are stored separately from those for the TV picture.



- 1 Press MENU.
- 2 Make sure the cursor (▶) is beside VIDEO and press RETURN.





3 Select the item you want to adjust. For example:

(1) To adjust brightness, press + + or - + to select BRIGHT and,





(2) press RETURN.





4 Adjust the selected item:

(1) Press + + or - + to adjust the item and.





(2) press RETURN.

The new setting appears in the VIDEO menu.





For details on each item, see "Description of adjustable items" below.

5 To adjust other items, repeat steps 3 and 4.

Description of adjustable items

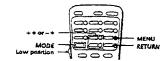
item	Press + + to	Press - + to
PICTURE	Increase picture contrast and give vivid color	Decrease picture contrast and give soft color
HUE	Make skin tones become greenish	Make skin tones become purplish
COLOR	Increase color intensity	Decrease color intensity
BRIGHT	Brighten the picture	Darken the picture
SHARP	Sharpen the picture	Soften the picture

To restore the factory settings

Press RESET while the VIDEO menu is displayed. All the settings except for PICTURE are restored to the factory settings.

Adjusting screen brightness automatically (LUMISPONDER)

The LUMISPONDER feature adjusts the brightness of the screen automatically according to the ambient brightness. The LUMISPONDER function automatically adjusts the level set by the user in the VIDEO menu to the standard.



- 1 Press MENU.
- 2 Press + + or + to select VIDEO and press RETURN.
- 3 Press + + or + to select LUMISPONDER and press RETURN.





4 Press + + or - + to select ON or OFF and press RETURN.

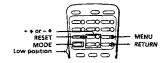




Adjusting the sound (AUDIO)

You can adjust the quality of the TV sound to suit your

You can adjust the sound of video input(s) as well. These settings are stored separately from those for the TV sound.



- 1 Press MENU.
- 2 Press + + or + to select AUDIO and press RETURN.





3 Select the item you want to adjust. For example:

(1) To adjust bass, press + + or - + to select BASS





(2) press RETURN.





4 Adjust the selected item:

(1) Press + + or - + to adjust the item and,





(2) press RETURN.

The new setting appears in the AUDIO menu.





For details on each item, see "Description of adjustable items" below.

5 To adjust other items, repeat steps 3 and 4

Description of adjustable items

item	Press + + to	Press - + to
TREBLE	Increase the treble response	Decrease the treble response
BASS	Increase the bass response	Decrease the bass response
BALANCE	Emphasize the right speaker's volume	Emphasize the left speaker's volume

To restore the factory settings

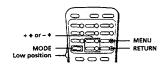
Press RESET while the AUDIO menu is displayed.

 When SPEAKER (page 20) is OFF and AUDIO OUT (page 20) is FIXED condition, the sound is set to mid-level and it cannot be adjusted.

Listening to surround sound

(SURROUND)

SURROUND feature simulates sound reproduction with the atmosphere of a movie theater or a concert hall. Surround sound is only effective for stereo programs.



1 Press MENU.

2

- 2 Press + + or + to select AUDIO and press RETURN.
- 3 Press + + or + to select SURROUND and press RETURN.





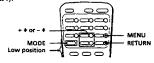
4 Press + + or - + to select ON and press RETURN.





Selecting stereo or bilingual programs

The Multichannel TV Sound (MTS) feature allows you to enjoy stereo sound or Second Audio Programs (SAP) at your choice. The initial setting is stereo sound (MAIN).



- 1 Press MENU.
- 2 Press + + or + to select AUDIO and press RETURN.
- 3 Press + + or + to select MTS and press RETURN.





4 Press + + or - + to select MAIN, SAP, or MONO and press RETURN.





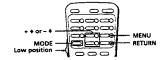
Choose	To
MAIN	Listen to stereo sound. The STEREO indicator on the TV lights up while a stereo broadcast is received.
SAP	Listen to bilingual programs. The sound of non-SAP programs will be muted when SAP is selected.
MONO	Reduce noise during stereo broadcasts.

Note

· Stereo and SAP sounds are subject to program sources.

Setting the speaker switch (SPEAKER)

You may switch off the TV speakers when, for example, you want to listen to the sound through a stereo system.



- 1 Press MENU.
- 2 Press + + or + to select AUDIO and press RETURN.
- 3 Press + + or + to select SPEAKER SWITCH and press RETURN.





4 Make sure the cursor (►) is beside SPEAKER and press RETURN.





5 Press + + or - + to select ON or OFF and press RETURN.



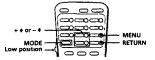


SPEAKER SWITCH
SPEAKER OFF
AUDIO OUT VAR
SMENU

Setting audio out (AUDIO OUT)

You can select audio out to variable or fixed when SPEAKER is set to OFF.

Audio out is variable when SPEAKER is set to ON.



- 1 Press MENU.
- 2 Press + + or + to select AUDIO and press RETURN.
- 3 Press + + or + to select SPEAKER SWITCH and press RETURN.



4 Press + + or - + to select AUDIO OUT and press RETURN.



5 Press + + or - + to select VAR or FIXED and press RETURN.





VAR: Sound output varied according to the TV settings. You can adjust the volume, bass, treble and balance.

FIXED: Sound output is always fixed to a certain level. The volume, bass, treble and balance are also fixed to the factory settings.

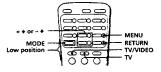
Customizing the channel number **buttons** (CH CAPTION/ GUIDE)

For cable box control (Cable Mouse) users

Make the setting of Cable Mouse before customizing the channel number buttons.

You can choose up to 12 channels, caption each channel, and assign a specific channel number button to each channel. This feature allows you to select your favorite channels easily by name. For example, you can name channel 20 "ESPN," and assign the channel number 4 button to it.

Setting captions to favorite channels



- 1 Press TV/VIDEO or TV to select TV mode.
- 2 Press MENU.

3

- 3 Press + + or + to select SET UP and press RETURN.
- 4 Press + + or + to select CH CAPTION/GUIDE and press RETURN.







5 Press RETURN again.





6 Press + + or - + to select a channel guide number button and press RETURN.

Numbers 0-9 and DISPLAY and ENTER are available for use as a customized channel number. Each time you press + ◆ or - ◆, the channel positions change to red in turns. The channel number button you select will be the one you press to call up your favorite channel.





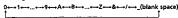
7 Press + + or - + to select the channel that you want to caption and press RETURN.





8 Enter the letters (up to four) to caption the

(1) Press + ♦ or - ♦ to select the first letter. Each time you press + + or - +, the letter changes as shown below and,





(2) press RETURN.





(3) Repeat steps (1) and (2) to select the remaining letters and press RETURN.





21

(continued)

9 Repeat step 5 to 7 to caption other channels.

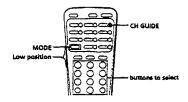
To erase a caption

Press RESET after step 5.

Notes

- The position number you already selected appears in yellow.
- . If the CH CAPTION/CUIDE menu appears in black, the TV is set to a video input and you cannot select CH CAPTION/
- . If more than 90 seconds elapse after you press a button, the menu disappears automatically.
- The channel caption/guide feature is not available for the AUX input (KV-32V15/34V15C only)

Selecting a captioned channel



1 Press CH GUIDE.

The CHANNEL GUIDE menu appears showing channel captions and the corresponding channel number buttons.



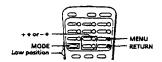


2 Press a channel number button, the DISP or ENT button to select the channel you want.

To cancel the CHANNEL GUIDE menu Press CH GUIDE again.

Setting video labels (VIDEO LABEL)

This feature allows you to label each input mode so that you can easily identify the connected equipment. For example, you can label VIDEO 1 IN as VHS.



- 1 Press MENU.
- 2 Press + + or + to select SET UP and press
- 3 Press + + or + to select VIDEO LABEL and press RETURN.





4 Press + + or - + to select the input mode you want to label and press RETURN.





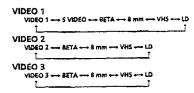


5 Press + + or - + to select the label and press RETURN.





Each time you press + + or - +, the label changes as shown below.



6 Repeat steps 4 and 5 to label other input

Note

If more than 90 seconds elapse after you press a button, the menu disappears automanically.



Some source programs are provided with Caption Vision (Closed Caption). To display Caption Vision, select either CCL, CC2, TEXT1, or TEXT2 from the menu.

CC1 or CC2 shows you a caption, that is a printed version of the dialog or sound effects of a program. (The mode should be set to CC1 for most programs.) TEXT1 or TEXT2 shows you text, that is information presented using half to full of the screen. It is not usually related to the program.



- 1 Press MENU.
- 2 Press + + or + to select CAPTION VISION and press RETURN.







3 Press + + or - + to select the caption type and press RETURN.





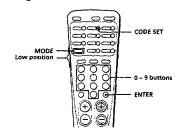


· Capuons may appear with a white box or another error instead of a certain word. Poor reception of TV programs can also causa arrors in Caption Vision.

Operating video equipment

You can operate Sony or non-Sony video equipment that has an infrared remote sensor with the supplied remote commander. For this operation, set the manufacturer's code number.

Setting the manufacturer's code



While pressing CODE SET, press 0 - 9 to enter the manufacturer's code number (see the chart in the right column). For example, to operate a Sony 8 mm VCR, press 0, 2 and ENTER.









VCR Manufacturer Code numbers

Manufacturer	Code number
SONY	01, 02, 03
CANON	05
EMERSON	22, 30, 33
FISHER	10, 11, 12, 15
FUNAL	29
GENERAL ELECTRIC	05, 08
GOLDSTAR	25
HITACHI	07, 08, 36
IVC	16, 35
MAGNAVOX	05, 06, 09
MITSUBISHI	18, 19, 26, 27
MULTITECH	29
NEC	16, 23, 31
PANASONIC	05, 06
PHILCO	05, 06
PHILIPS	05, 06, 09
QUASAR	05, 06
RCA	07, 08
SAMSUNG	24, 32
SANYO	11, 15
SCOTT	21
SHARP	13, 14
SHINTOM	34
SYLVANIA	05, 06, 09
SYMPHONIC	29
TEKNIKA	28, 29
TOSHIBA	20, 21
TOTE VISION	25
ZENITH	17

MDP manufacturer code numbers

Manufacturer	Code number	
SONY	04	
KENWOOD	58	
MAGNAVOX	52	
MARANZ	54	
MITSUBISHI	51	
PANASONIC	55	
PHILIPS	52	
PIONEER	51	
RCA	51	
SANYO	57	
SHARP	56	
YAMAHA	53	

Notes

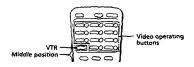
- . If more than one code number is listed, try entering them one by one, until you come to the correct code for your equipment.
- . In some rare cases, you may not be able to operate your non-Sony video equipment with this remote commander. This is because your equipment may use a code that is not provided with this remote commander. In this case, please use the equipment's own remote control unit.
- · The code numbers for Sony equipment are assigned at the factory as tollows:

Beta, ED Beta VCRs 8 mm VCR

VHS VCR 03 (preset code for this remote

When you remove a battery from the remote commander, the code may revert to 03. Reset the code each time you replace the battery, if necessary.

Operating video equipment



Use the video operating buttons on the remote commander to operate the video equipment.

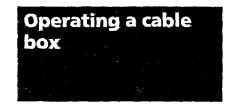
Operating a VCR	Buttons on the remote commander
To turn on or off	Press POWER
To change channels	Press CH +/-
To record	Press ● and REC simultaneously
To play	Press ▶
To stop	Press
To tast forward	Press >>
To rewind the tape	Press ◀◀
To pause	Press II
To search the picture torward and backward	Press ➤ or ◀ during playback

S

Operating the laser-disc player	Buttons on the remote commander
To play	Press ►
To stop	Press =
To pause	Press II To resume normal playback, press again.
To search the picture forward and backward	Keep pressing boor during playback, To resume normal playback, release the button.
To search the chapter	Press CH +/-

Note

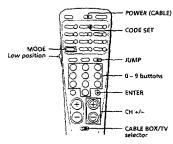
 If the video equipment does not have a certain function, the corresponding button on this remote commander will not operate.



For cable box control (Cable Mouse) users

Set the CABLE BOX/TV selector to TV and disregard the instruction below.

Follow these instructions to set the manufacturer's code which will enable you to operate a connected cable box with the pre-programmed remote commander. For example, you can set the remote commander to operate a connected Zenith cable box.



1 Set the CABLE BOX/TV selector to CABLE BOX.

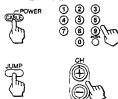


While pressing CODE SET, press 6 and 8 (Zenith's code number—see chart on the next page) and ENTER.



(continued)

3 Use POWER(CABLE) and the TV control buttons (0 - 9, ENTER, JUMP and CH +/-) to operate the cable box.



To operate the TV

Set the CABLE BOX/TV selector to TV. Then use the TV control buttons to control the TV.

For more details on operating the cable box

Refer to the operating instructions that come with the cable box.

Manufactures and code numbers (cable box)

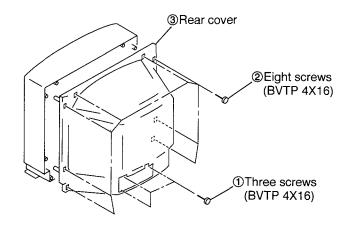
Manufacturer	Code number	
JERROLD	60, 61, 62, 63, 64, 65, 73	
PIONEER	69, 70	
SCIENTIFIC ATLANTA	66, 67	
TOCOM	71, 72	
ZENITH	68	

Notes

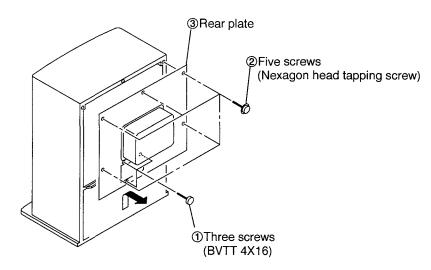
- If more than one code number is listed, try entering them one by one until you come to the correct code for your equipment.
- If you enter a new code number, the code number you previously entered at that setting is erased.
- in some cases, your equipment may use a code that is not provided with this remote commander and you may not be able to operate your cable box with the supplied remote commander. In this case, use the equipment's own remote control unit.
- When you remove a battery from the remote commander, the code may be erased. Reset the code each time you replace the battery, if necessary.

SECTION 2 DISASSEMBLY

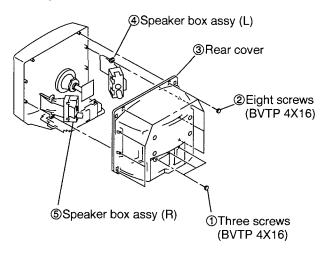
2-1-1. REAR COVER REMOVAL (KV-32S12/32S16)



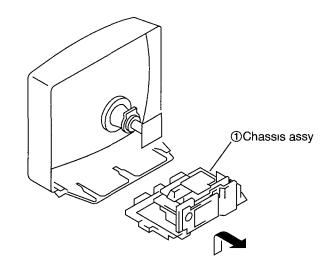
2-1-3. REAR PLATE REMOVAL (KV-32TW67/32TW68)



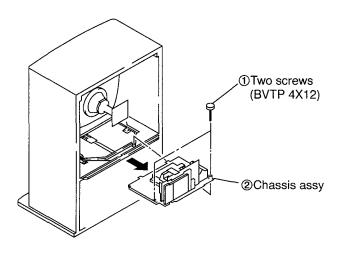
2-1-2. REAR COVER AND SPEAKER BOX ASSY REMOVAL (KV-32V16)



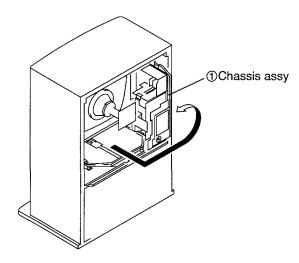
2-2-1. CHASSIS ASSY REMOVAL (KV-32S12/32S16/32V16)



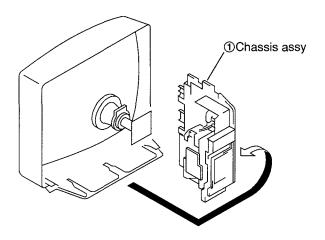
2-2-2. CHASSIS ASSY REMOVAL (KV-32TW67/32TW68)



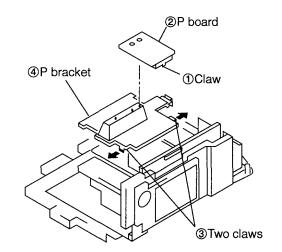
2-3-2. SERVICE POSITION (KV-32TW67/32TW68)



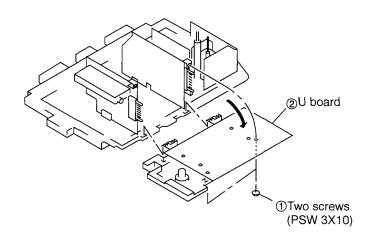
2-3-1. SERVICE POSITION (KV-32S12/32S16/32V16)



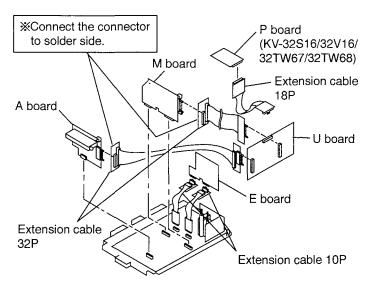
2-4. P BOARD REMOVAL (KV-32S16 U model/32V16/32TW67/32TW68)

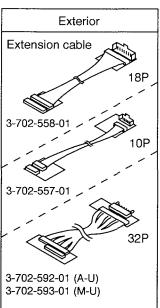


2-5. U BOARD REMOVAL



2-6. EXTENSION CABLE



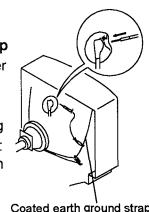


2-7 PICTURE TUBE REMOVAL

WARNING: Before removing anode cap

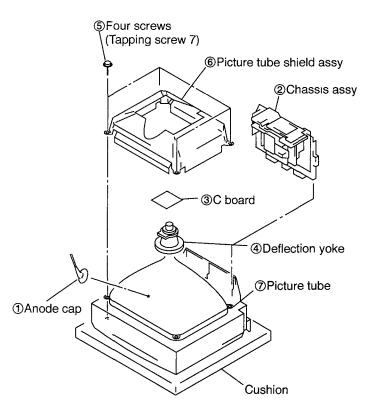
H. V. remains in the CRT even after the power is disconnected.

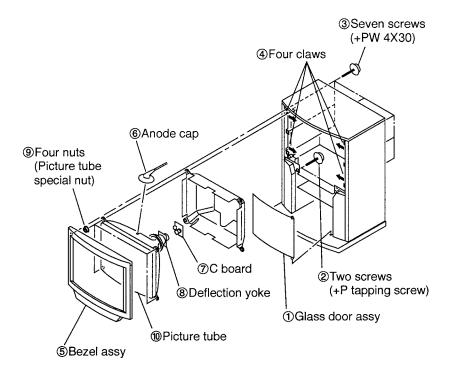
To avoid electrical shock, before attempting to remove the anode cap, discharge CRT: Short between anode and CRT coated earth ground strap.



Coated earth ground strap

(1) KV-32S12/32S16/32V16

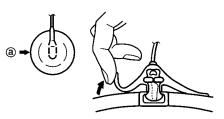




REMOVAL OF ANODE-CAP

NOTE: Short circuit the anode of the picture tube and the anode cap to the metal chassis. CRT chield or carbon painted on the CRT, after removing the anode.

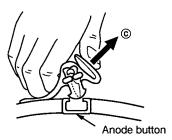
•REMOVING PROCEDURES



① Turn up one side of the rubber cap in the direction indicated by the arrow ⓐ.



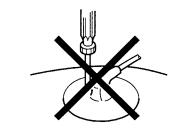
② Using a thumb pull up the rubber cap firmly in the direction indicated by the arrow ⑤.

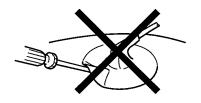


When one side of the rubber cap is separated from the anode button, the anodecap can be romoved by turning up the rubber cap and pulling up it in the direction of the arrow ©.

•HOW TO HANDLE AN ANODE-CAP

- ① Don't hurt the surface of anode-caps with sharp shaped material!
- ② Don't press the rubber hardly not to hurt inside of anode-caps! A material fitting called as shatter-hook terminal is built in the rubber.
- ③ Don't turn the foot of rubber over hardly! The shatter-hook terminal will stick out or hurt the rubber.





SECTION 3 SAFETY RELATED ADJUSTMENTS

ADJUSTMENT ITEM AND PROCEDURE	EQUIPMENT AND SIGNAL	MEASUREMENT POSITION	ADJUSTMENT LOCATION	ILLUSTRATION AND SHAPE AND NUMBER
D BOARD *RESISTOR CONFIRMATION METHOD (HV HOLD-DOWN CONFIRMATION) AND READJUSTMENTS			*₩ R524	
The following adjustments should always be performed when replacing the following components (*marked with \(\overline{\rm}\) on the schematic diagram).		* marked parts IC601, PM501, D504, C598, R338, R509, R524, R632, R635, R645, T501	EX K324	
 Preparation before confirmation Turn the POWER switch ON, and receive *signal and set the *PICTURE and BRIGHTNESS controls to adjustment. Confirm that the voltage of the check terminal of *TP is more than *voltage when the set is operating normally with *Power supply. 	*Entirely white *Digital multimeter	*TP85 (H. PROT)	*PICTURE BRIGHTNESS maximum	*122.3V DC 32 inch only *120 ± 2.0 VAC (Power Supply) D BOARD - CONDUCTOR SIDE - T504 TP85[H. PROT] FBT digital multimeter O + O -

ADJUSTMENT ITEM AND PROCEDURE	EQUIPMENT AND SIGNAL	MEASUREMENT POSITION	ADJUSTMENT LOCATION	ILLUSTRATION AND SHAPE AND NUMBER
2. Hold-down operation confirmation (HV) 1) Connect the *currentmeter between the *pin of *FBT and the land of it with connect polarity. 2) Receive *Signal and adjust the *ABL current to follows with the PICTURE and the BRIGHTNESS controls.	*Currentmeter *Entirely white	*FBT (T501) Pin ⑩		*1760 ± 50μA
 3) Connect the Digital Voltmeter and *DC power Supply via *DIODE to TP. 4) Increase the DC power voltage gradually until the Picture just blanks out. 5) Read the digital voltmeter indication. 	*DC Power Supply	*Via 1T40 to TP-85		
6) Turn DC power Source off immediately. *STANDARD 7) Receive *Signal and adjust the *ABL current to follows,				*Less than 143.5 VDC
with the PICTURE and the BRIGHTNESS controls.	*Dot Signal			*160 ± 50µA
8) Repeat steps from (3) to (7). *STANDARD				*Less than 144.1 VDC
				T501 TP85 PM501 FBT HPROT R524 ammeter 3m A dc ramge dc power supply 1T40 P- 1T40 P- 1T40 P-

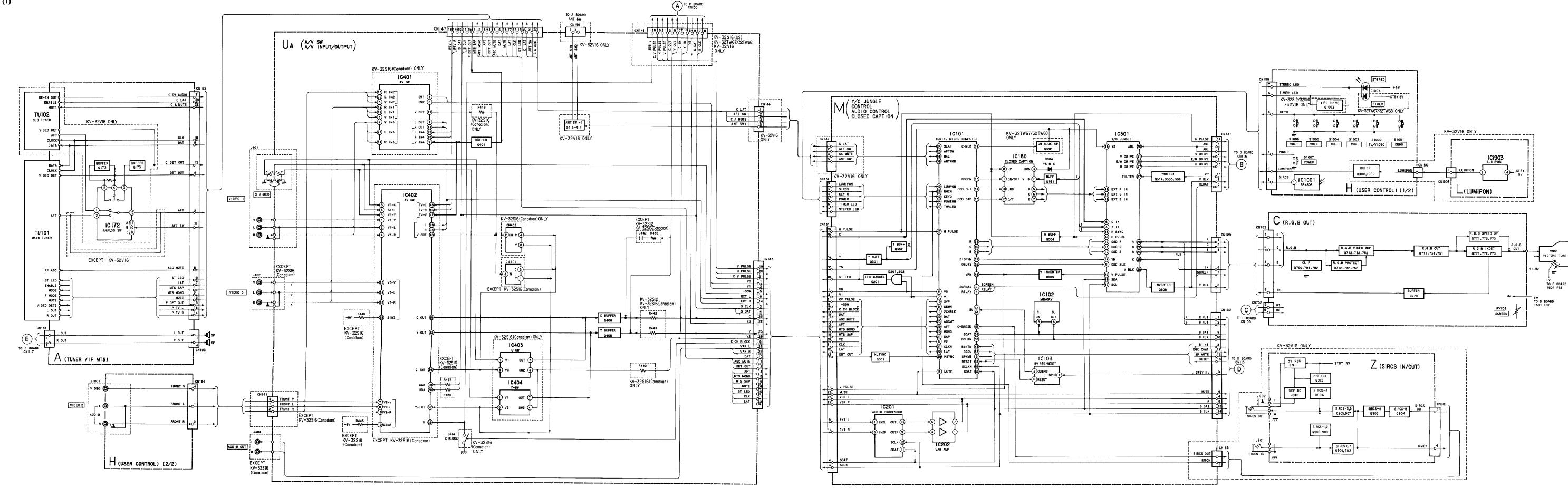
ADJUSTMENT ITEM AND PROCEDURE	EQUIPMENT AND SIGNAL	MEASUREMENT POSITION	ADJUSTMENT LOCATION	ILLUSTRATION AND SHAPE AND NUMBER
3. Hold -down readjustment When step 2 is not satisfied, readjustment should be performed by altering the resistance value of *Resistor (a component marked with).			* ■ R524	T504 FBT ammeter 3.0 mA dc range ABL ABL
*RESISTOR CONFIRMATION METHOD (B+ HOLD-DOWN CONFIRMATION) AND READJUSTMENTS			* ■ R511	
The following adjustments should always be performed when replacing the following components (*marked with ■ on the schematic diagram).		*		
 Preparation before confirmation Remove the *resistor on the D board and connect a *variable risistor between pin① of IC601 and B+ line. Supply *AC voltage to with *variable auto-transformer. 	* Variable auto- transformer.	Acco		*R635 *RV1 : about 4.7 k Ω - 10k Ω *120 ± 2.0 VAC
				RV1 (4.7k-10k) (R635) 1 [0] IC601
				T501 FBT

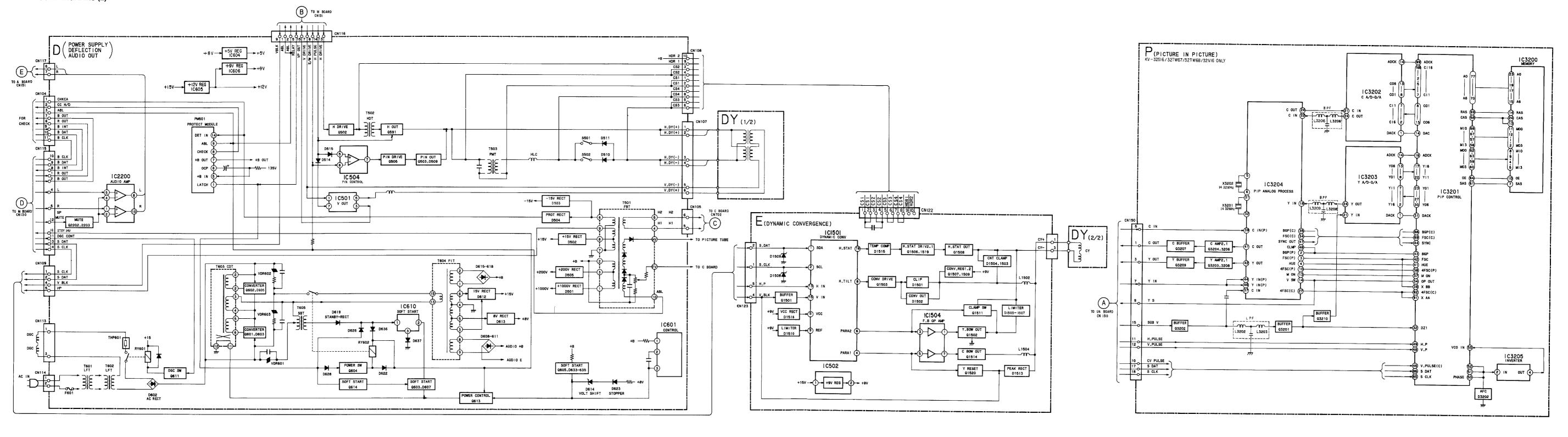
ADJUSTMENT ITEM AND PROCEDURE	EQUIPMENT AND SIGNAL	MEASUREMENT POSITION	ADJUSTMENT LOCATION	ILLUSTRATION AND SHAPE AND NUMBER
2.Hold-down operation voltage (B+) 1) Connect the *currentmeter between the *pin of FBT and	*Currentmeter	*FBT (T501) Pin 🔞		
the land of it with correct polarity. 2) Receive *Signal and adjust the *ABL current to follows with the PICTURE and the BRIGHTNESS controls.	*Entirely white			*1760 ± 50µA
3) Connect the *Digital Multimeter to *TP.	*Digital	*TP91 (+B)		
4) Increase the DC power voltage gradually by adjusting the resister of RV1 until the Picture just blanks out.5) Read the digital voltmeter indication.	Multimeter			
6) Turn DC power Source off immediately. *STANDARD				*Less than 140.0 VDC
 Receive *Signal and adjust the *ABL current to follows, with the PICTURE and the BRIGHTNESS controls. 	*Dot signal			*160 ± 50µA
8) Repeat steps from 4) to 6). *STANDARD				*Less than 143.5 VDC
				TP91 <u>+B</u>
				PM501 ABL T504 FBT 10pin RS511
				A ARSII & L
3. Hold-down readjustment When step 1 is not satisfied, readjustment should be performed by altering the resistance value of *resistor (a component		* ⊠ R511		ammeter multimeter

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24

ADJUSTMENT ITEM AND PROCEDURE	EQUIPMENT AND SIGNAL	MEASUREMENT POSITION	ADJUSTMENT LOCATION	ILLUSTRATION AND SHAPE AND NUMBER
B+ VOLTAGE CONFIRMATION The following adjustments should always be performed when replacing the following *components.		*IC601, R635		
 Supply *Voltage AC to with *variable auto-transformer. Input an entirely *signal. Set the PICTURE control and the BRIGHTNESS control to adjustment. Confirm the voltage of *TP is less than *Voltage DC. If step 4) is not satisfied, replace the *components repeat above steps. 	* Variable auto- transformer * Monoscope	*TP91 (+B)	*PICTURE, BRIGHTNESS initial reset *IC602, R635	*120 * Less than 137.0 VDC

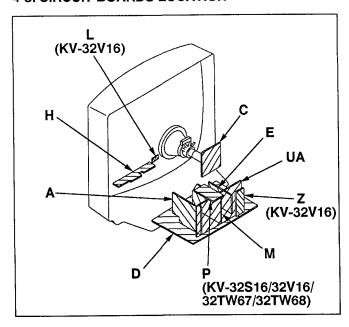
4-1. BLOCK DIAGRAMS (1)





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4-3, CIRCUIT BOARDS LOCATION



4-4. PRINTED WIRING BOARDS AND SCHEMATIC DIAGRAMS

Note:

- All capacitors are in μF unless otherwise noted. pF: $\mu \mu F$ 50V or less are not indicated except for electrolytics and tantalums.
- All electrolytics are in 50V unless otherwise specified.
- All resistors are in ohms. $k\Omega = 1000 \Omega$, $M\Omega = 1000 k\Omega$
- Indication of resistance, which dose not have one for rating electrical power, is as follows.

Pitch: 5mm Rating electrical power: 1/4W

- - : nonflammable resistor.
- fusible resistor.
- Δ : internal component.
- panel designation and adjustment for repair.
- All variable and adjustable resistors have characteristic curve B, unless otherwise noted.
- The components identified by in this basic schematic diagram have been carefully factory-selected for each set in order to satisfy regulations regarding X-ray radiation.
- Should replacement be required, replace only with the value originally used.
- When replacing components identified by , make the necessary adjustments indicated. If results do not meet the specified value, change the component identified by , and repeat the adjustment until the specified value is achieved.

(Refer to R511 and R524 adjustment on Page 20, 25.)

 When replacing the part in below table, be sure to perform the related adjustment.

Part replaced (Adjustment (►)	
PM501, R511, R632, R645, R650 R338	D BOARD M BOARD	HOLD-DOWN (R511)
IC601, PM501, D504, C598, R509, R524, R632, R635, R645, T501 R338	D BOARD M BOARD	HOLD-DOWN (R524)

- As to the voltage volue shown by the semiconductors on the Schematic Diagram, see the another list.
- Readings are taken with a color-bar signal input.
- Readings are taken with a 10M Ω digital multimeter.
- Voltages are dc with respect to ground unless otherwise noted.
- Voltage variations may be noted due to normal production tolerances.
- All voltages are in V.
- *: Measurement impossibility.

• 👿 : B + line

• <u>∀</u> : B – line

(Actual measured value may be different)

• signal path.(RF)

• Circled numbers are waveform references.

Reference information

RESISTOR : RN METAL FILM : RC SOLID : FPRD NONFLAMMABLE CARBON : FUSE NONFLAMMABLE FUSIBLE : RW NONFLAMMABLE WIREWOUND RS NONFLAMMABLE METAL OXIDE NONFLAMMABLE CEMENT : RB ADJUSTMENT RESISTOR * : LF-8L MICRO INDUCTOR COIL CAPACITOR : TA **TANTALUM**

: PS STYROL

: PP POLYPROPYLENE

: PT MYLAR

: MPS METALIZED POLYESTER

: MPP METALIZED POLYPROPYLENE

: ALB BIPOLAR

: ALT HIGH TEMPERATURE

: ALR HIGH RIPPLE

Note: The symbol - display is on the component side.

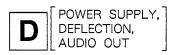
The components identified by shading and mark Λ are critical for safety. Replace only with part number specified.

The symbol — indicate fast operating fuse.

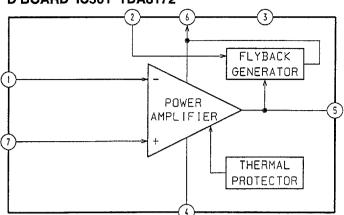
Replace only with fuse of same rating as maked.

Note: Les composants identifiés per un tramé et une marque ∆ sont critiques pour la sécurité. Ne les remplacer que par une piéce portant le numéro spécifié.

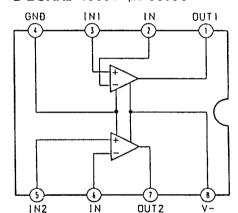
Le symbole — indique une fusible a action rapide. Doit etre remplacee par une fusible de meme yaleur, comme maque.



D BOARD IC501 TDA8172

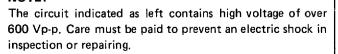


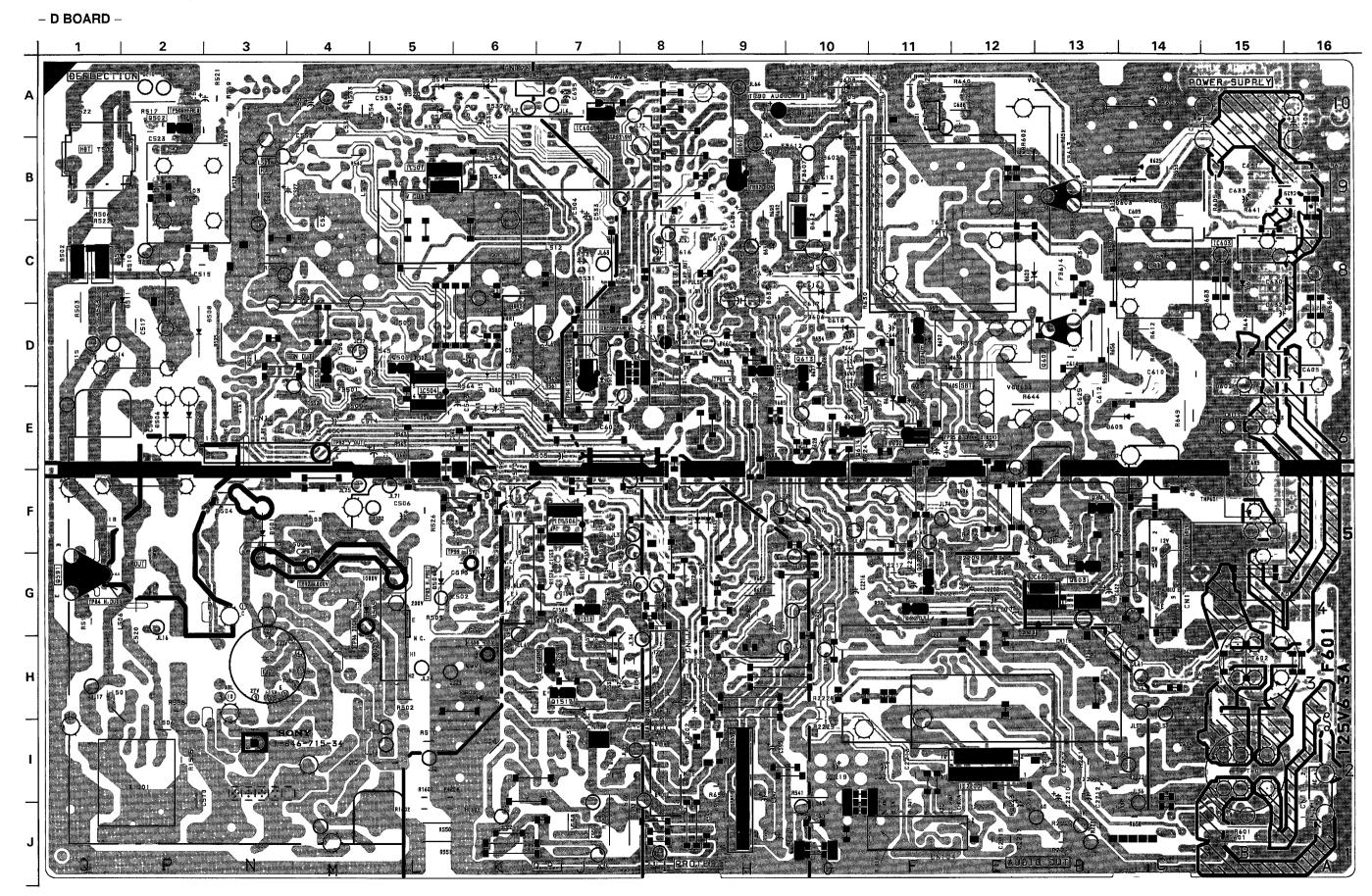
D BOARD IC504 μPC393C

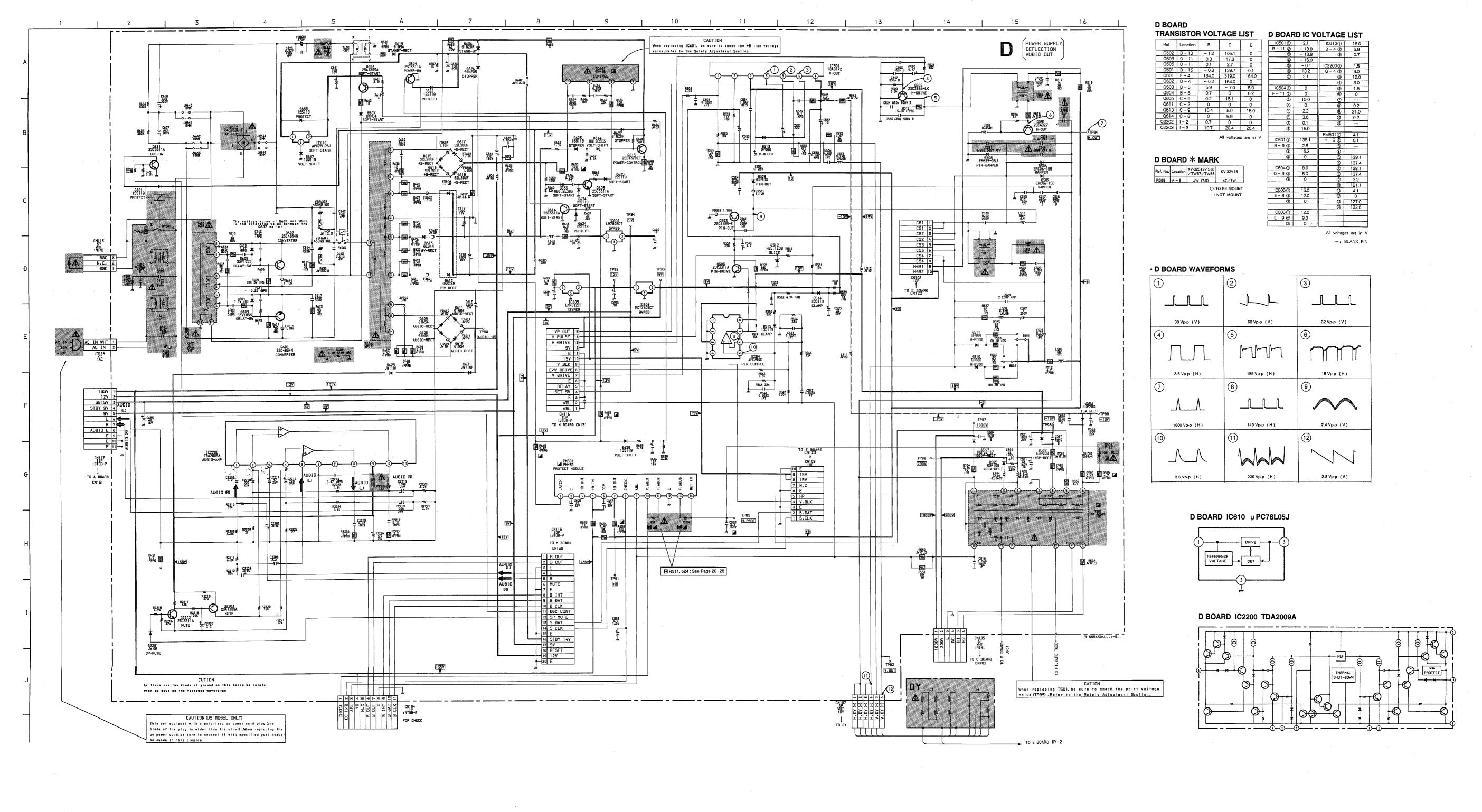


D BOARD

IC	
IC501	
IC504	
IC601	
IC604	
IC605	
IC606	
IC610 G - 12 D602 D - 15 IC2200 I - 12 D603 B - 14 D605 E - 13 D607 G - 12 Q502 A - 2 D608 A - 10 Q503 D - 4 D609 A - 10 Q505 D - 5 D610 A - 10 D591 G - 1 D611 A - 10	
IC2200 I - 12 D603 B - 14 TRANSISTOR D605 E - 13 Q502 A - 2 D608 A - 10 Q503 D - 4 D609 A - 10 Q505 D - 5 D610 A - 10 D591 G - 1 D611 A - 10	
TRANSISTOR D605 D607 D607 D607 E - 13 D607 G - 12 D608 D - 12 D608 D - 12 D609 D609 D609 D609 D609 D609 D609 D609	
Q502 A - 2 D608 A - 10 Q503 D - 4 D609 A - 10 Q505 D - 5 D610 A - 10 D591 G - 1 D611 A - 10	
Q503 D - 4 D609 A - 10 Q505 D - 5 D610 A - 10 D591 G - 1 D611 A - 10	
Q505 D - 5 D610 A - 10 D591 G - 1 D611 A - 10	
D591 G-1 D611 A-10	
- · · ·	
L 0001	
Q601 B-13 D612 B-10	
Q602 D - 13 D613 B - 10	
Q603 G-13 D614 E-10	
Q604 D-11 D615 C-10	
Q605 D-9 D616 C-10	
Q611 F-13 D617 C-10	
Q613 D - 10 D618 D - 10	
Q614 E-10 D619 D-11	
Q2202 G-11 D622 D-11	
Q2203 G - 11 D623 E - 10	
DIODE D624 E - 10	
D627 D = 10	
D501 F - 3 D628 E - 10	
$\begin{bmatrix} D502 & H-6 \\ D633 & C-9 \end{bmatrix}$	
$\begin{array}{ c c c c c c c c c c c c c c c c c c c$	
D604 G-5 D635 D-9	
D505 G - 4 D636 D - 11	
D506 E - 2 D637 G - 13	
D507 E-2 D638 F-12	
D508 D-2	





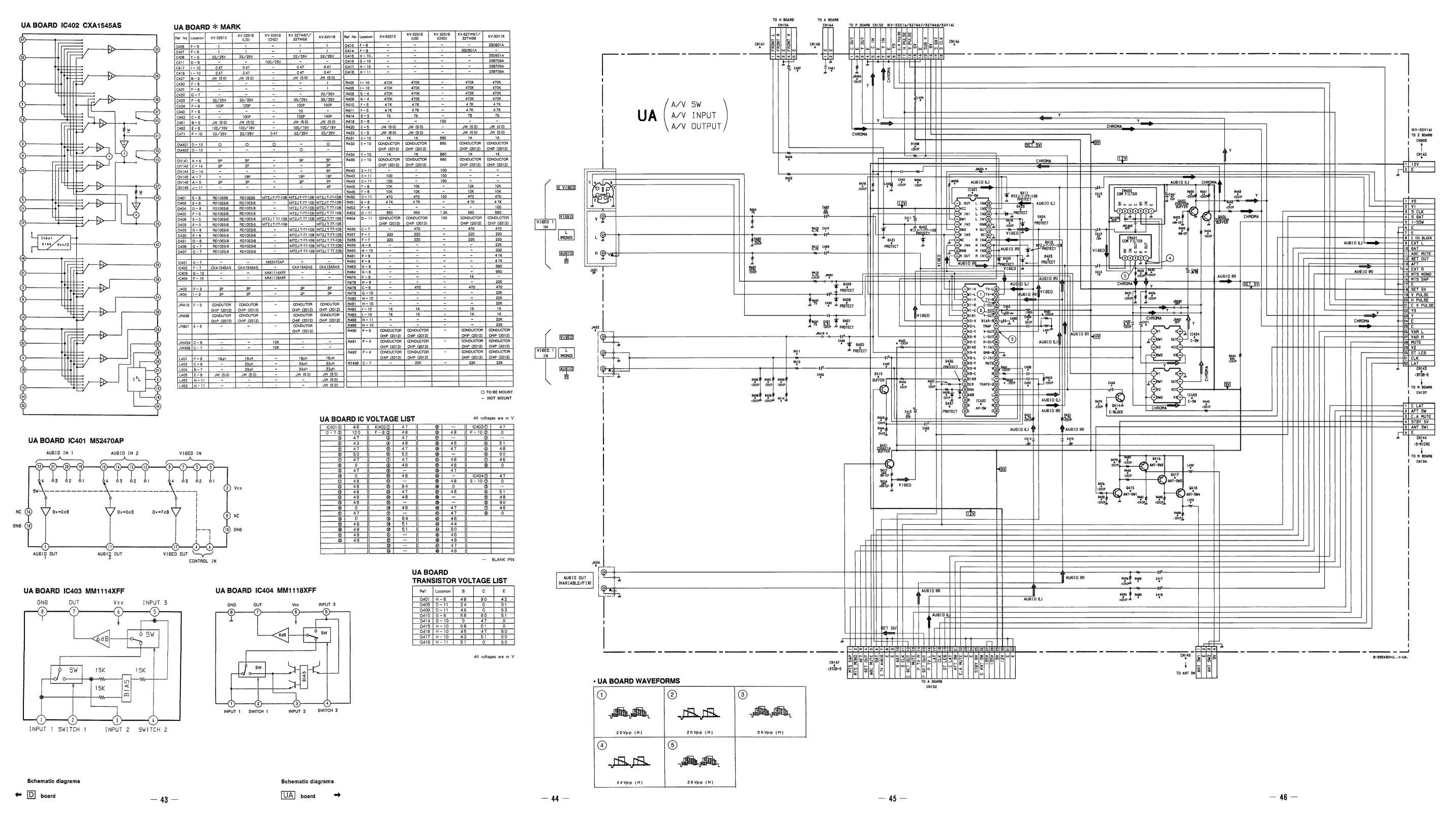


— 39 —

-40 -

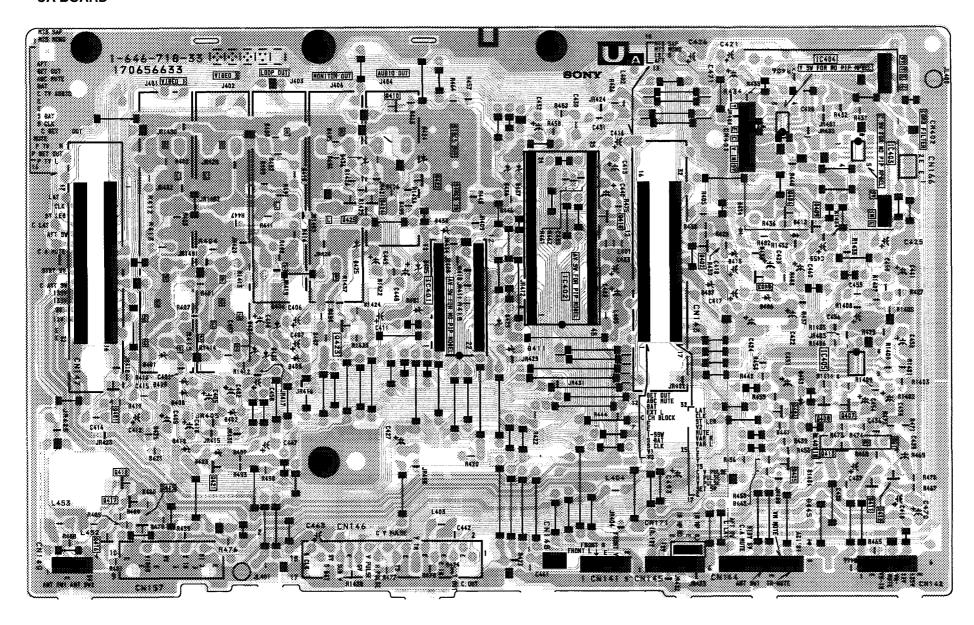
-- 41 --

— 42 —



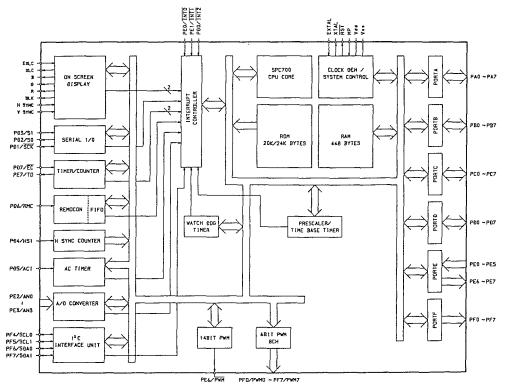


- UA BOARD -



-47 -

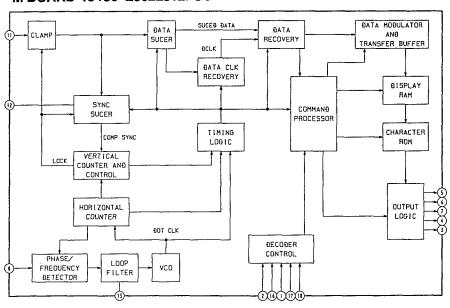
M BOARD IC101 CXP80424



M BOARD

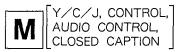
	10
	IC
IC101	C-6, H-6
IC102	B - 7, I - 7
IC103	D – 4, G – 4
IC150	B - 4, I - 4
IC201	C - 2, H - 2
IC202	D – 1
IC301	C – 3, H – 3
TRAN	ISISTOR
Q001	E – 6
Q002	G – 5
Q004	H – 7
Q005	H – 7
Q151	G – 5
Q201	J – 1
Q301	A – 2
Q302	A – 2
0308	E – 4
D	IODE
D001	F – 6
D002	F-6
D004	E – 4
D005	G – 6
D006	C - 7, $1 - 7$
D007	C - 7, $I - 7$
D008	C - 7, 1 - 7
D009	C - 7, $1 - 7$
D150	H – 5
D201	A – 1
D202	A - 1
D205	D – 2
D206	B – 2, I – 2
D301	B – 4, I – 4
D304	B - 4, $1 - 4$

M BOARD IC150 Z8622812PSC



Note:

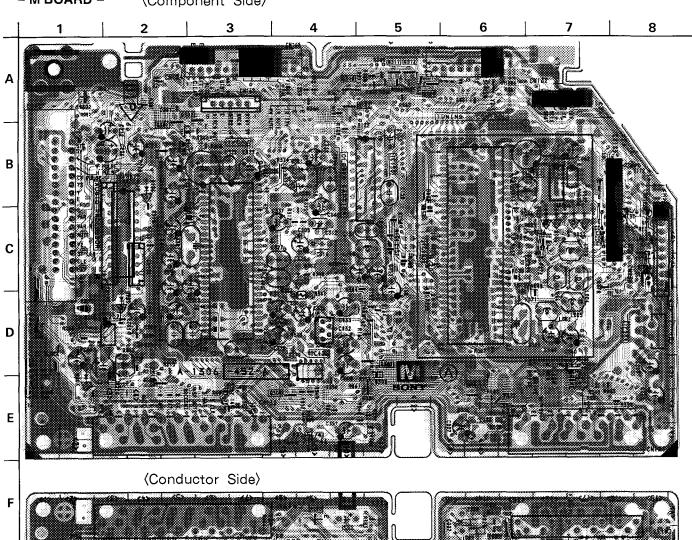
- · : Pattern from the side which enables seeing
- · : Pattern of the rear side.

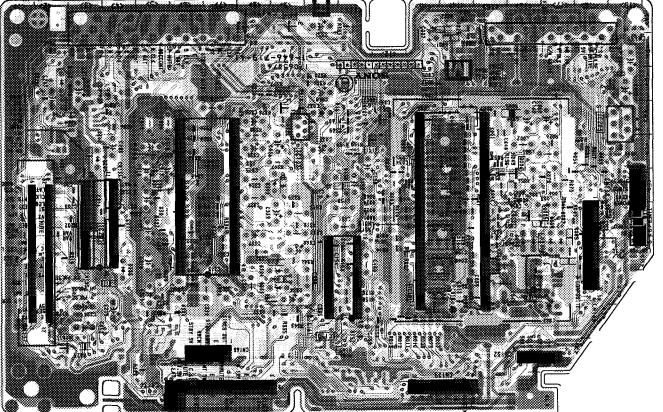


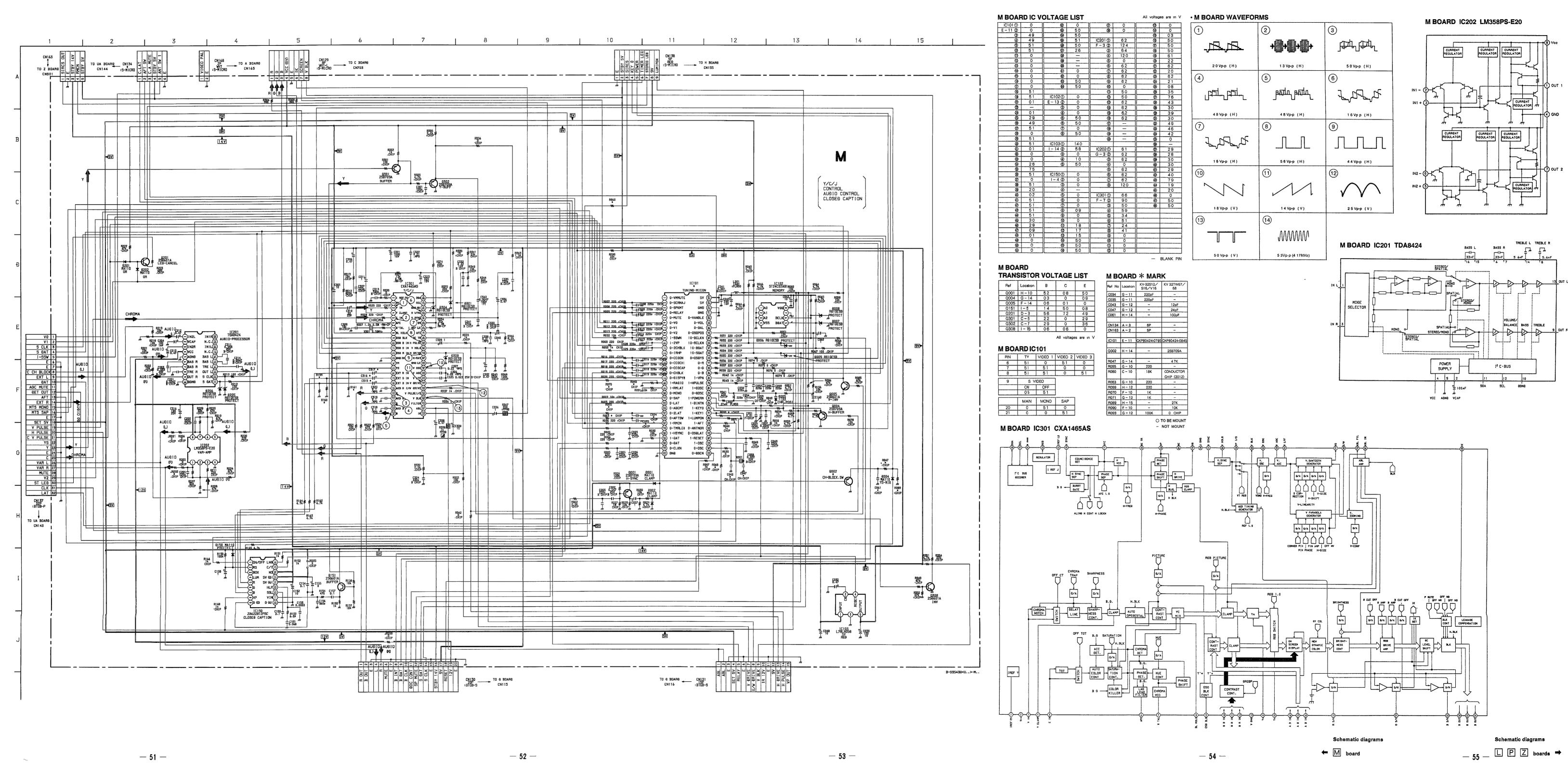
G

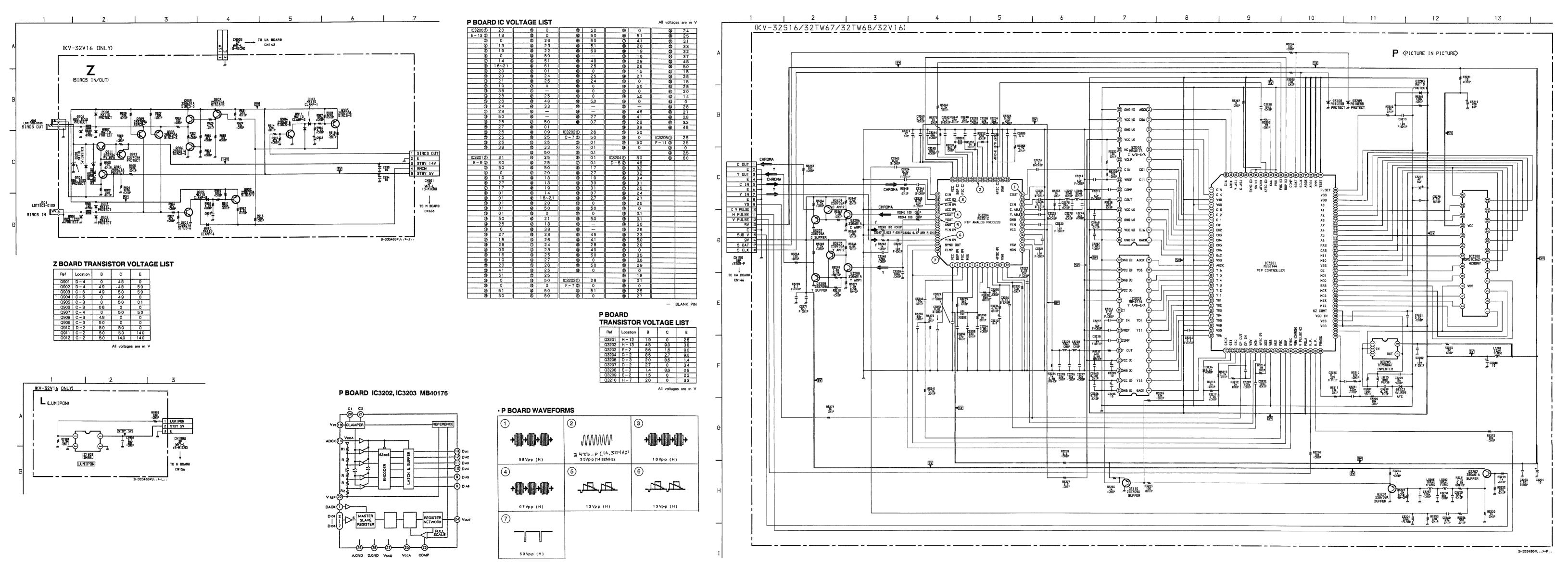
Н

- M BOARD - (Component Side)



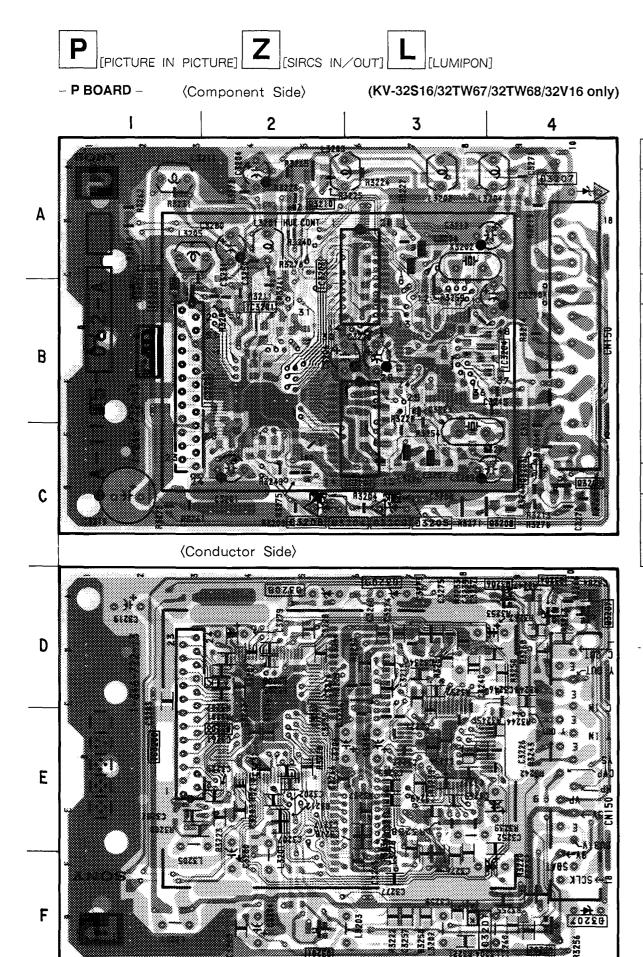






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— **59** —



IC IC3200 E - 1 IC3201 B ~ 2 IC3202 C - 3 B ~ 3 IC3203 IC3204 B - 3 IC3205 B ~ 1 TRANSISTOR Q3201 F ~ 2 Q3202 F ~ 4 Q3203 C ~ 4 D - 4 Q3204 Q3206 D - 4 Q3207 D - 4 Q3208 C - 3 Q3209 C - 4 Q3210 A - 2 DIODE

D3202

D3203

D3208

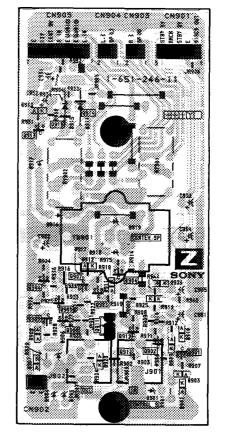
D3209

B ~ 1

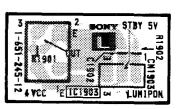
D - 2 D - 2

D - 3

Z BOARD – (KV-32V16 only)



- L BOARD - (KV-32V16 only)



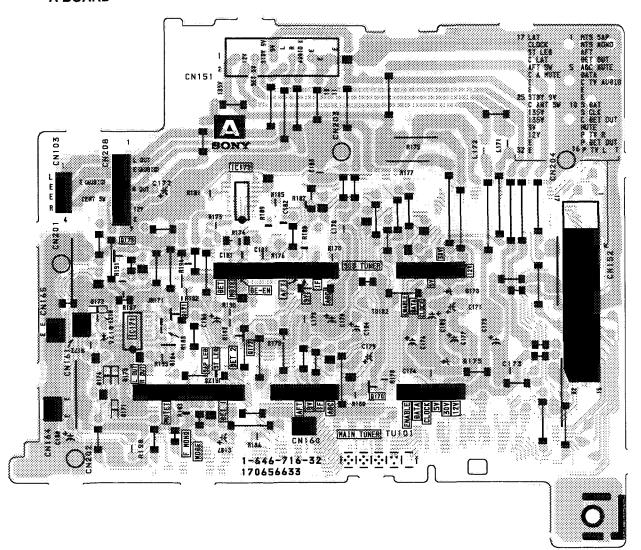
Note:

. Pattern from the side which enables seeing.

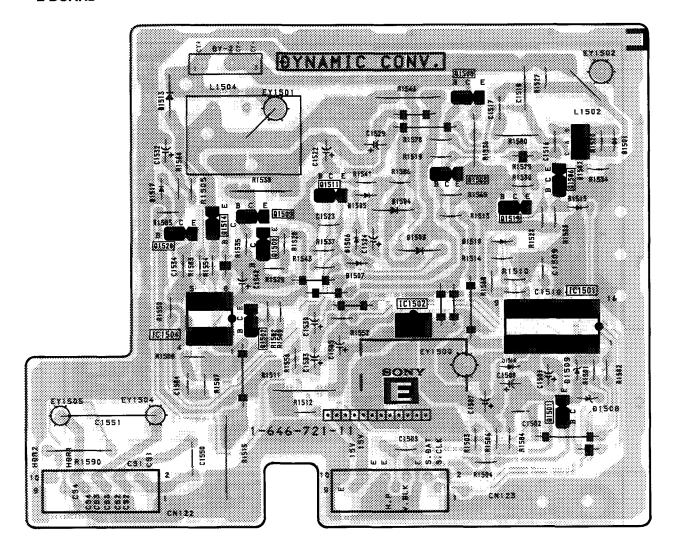
• Pattern of the rear side.

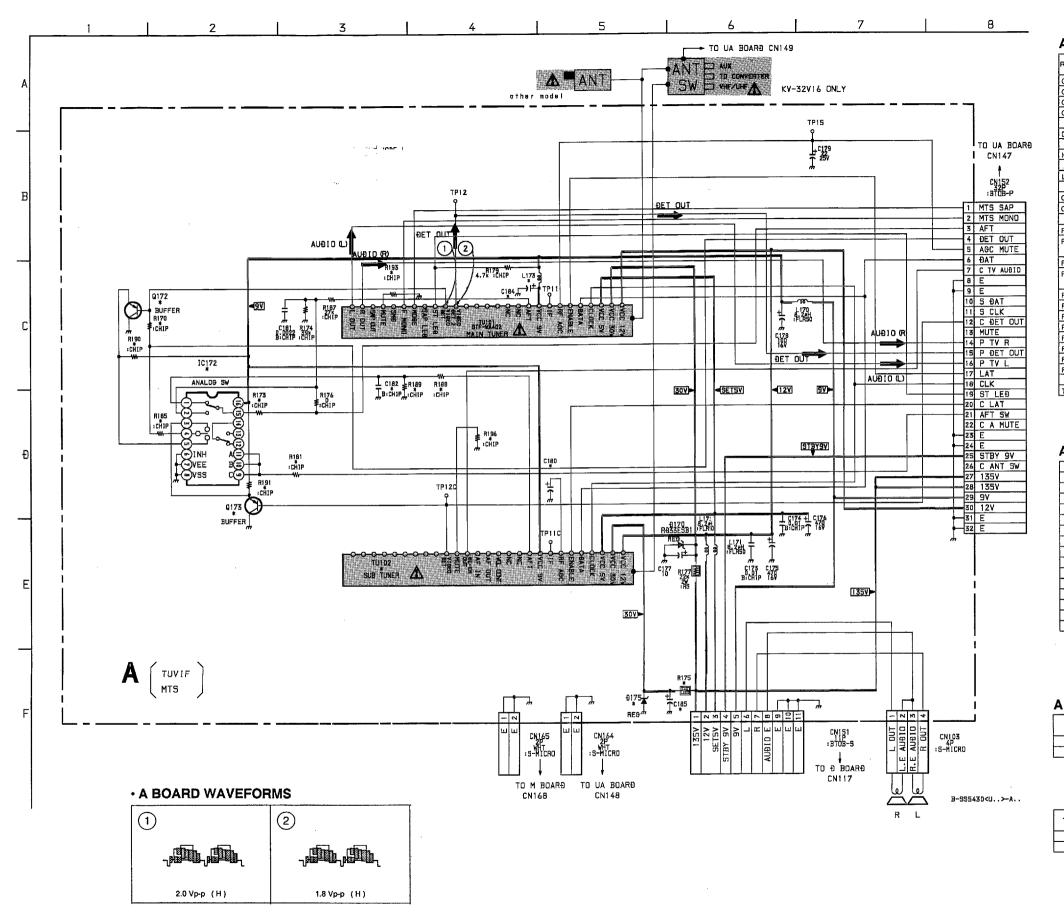


- A BOARD -



- E BOARD -





A BOARD * MARK

Ref. No.	Location	KV-32S12/S16	KV-32TW67/ 68	KV-32V16
C180	D-5	-	-	22/25V
C182	C-3			0.0022
C184	C-5	_	-	10
C185	F-6			10
D175	F-5			RD30ESB1
IC172	D-2	-		BU4053BF-T1
L173	C-5	JW (5.0)	JW (5.0)	8.2 µH
Q172	C-1	_	-	2SB709A
Q173	D-2			2S8709A
R170	C-2	100	100	-
R173	D-2	-	-	CONDUCTOR CHIP (2012)
R175	F-6	_	-	22K/2W
R176	D - 3	CONDUCTOR CHIP (2012)	CONDUCTOR CHIP (2012)	
R181	D-3	_		100
R185	D-2	_		100
R188	C-4	-	_	39K
R189	C-4	-		27K
R190	C - 1	-		4.7K
R191	D-2	-		4.7K
R193	C-3	330		330
R196	D-4	-	-	330
TU102	E - 4	_	 	BTF-LA401

O:TO BE MOUNT

A BOARD IC VOLTAGE LIST

IC	172①	1.9	
(D -	- 2) ②	1.9	
	3	4.9	
	4	5.8	
	(5)	5.2	
	6	E	
	Ø	E	
	(8)	E	
	9	2.9	
	0	2.9	
	0	2.9	
	12		
	(3)		
	(4)		l
	(3)	1.9	
	16	9.0	

All voltages are in V

-: BLANK PIN

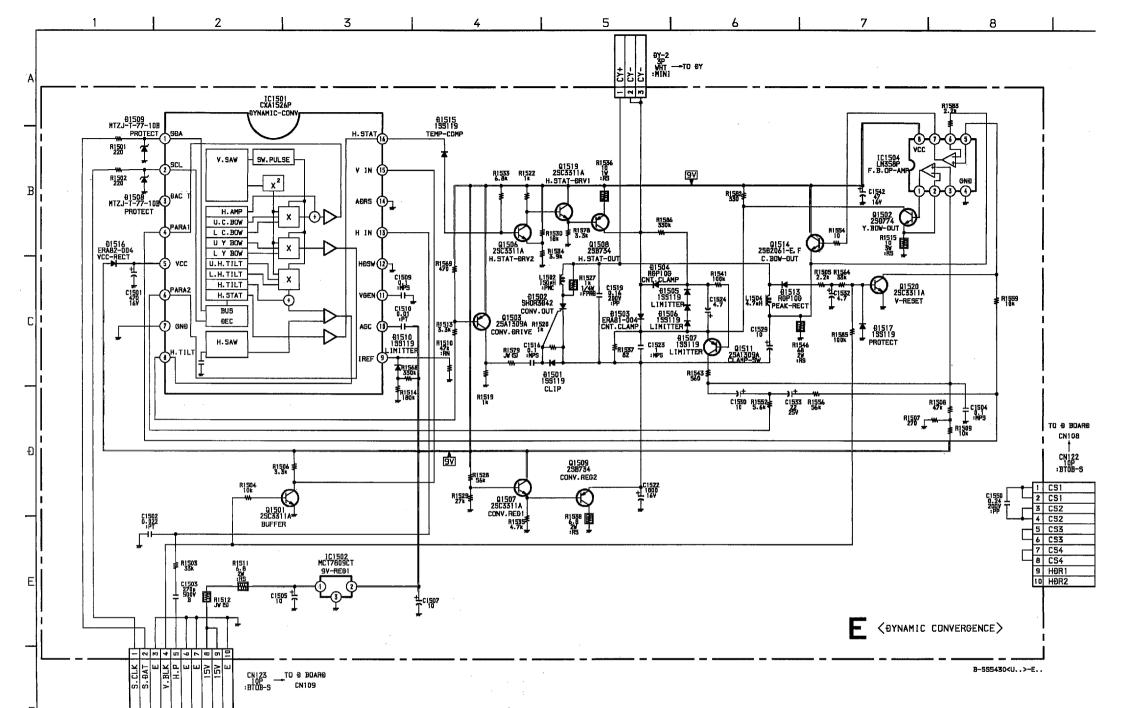
A BOARD TRANSISTOR VOLTAGE LIST

Ref	Location	В	· c	E
Q172	C-1	4.6	0	5.2
Q173	D-2	5.8	0	6.4

All voltages are in V

TU	101	PIN NAME	MAIN	MONO	ŞAP
С	- 4	F MONO	0	5.1	0
		MODE	0	0	5.1

All voltages are in V



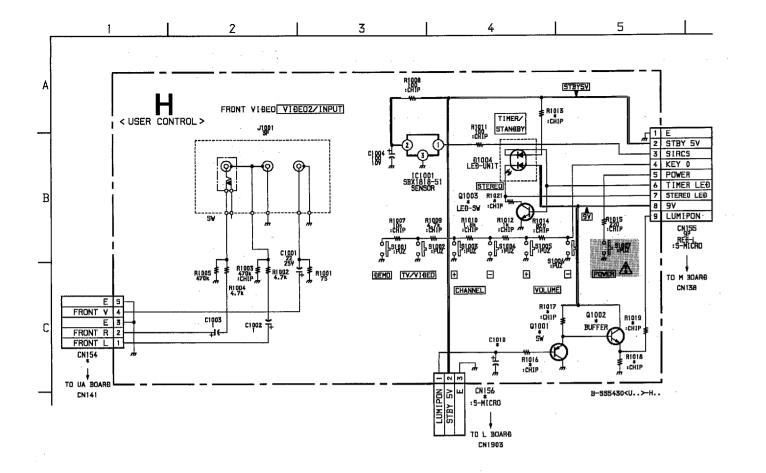
E BOARD IC VOLTAGE LIST

(§) 3 (?) ((§) 4 (§) 2 (§) 4	.1 8 .0 .4 .0
③ ④ 4 ⑤ 9 ⑥ 3 ⑦ (⑥ 4. ⑥ 9 0 4.	.8 .0 .4 .0
(a) 4 (b) 9 (b) 3 (c) (d) (d) 4 (d) 4 (e) 2 (d) 4	.8 .0 .4 .9
\$ 9 \$ 3 7 (\$ 4 \$ 2	0 .4)
\$ 9 \$ 3 7 (\$ 4 \$ 2	9
⑦ (⑥ 4. ⑤ 2. ⑥ 4.	9
(B) 4. (G) 2. (D) 4.	9
(§) 2 (0) 4	
10 4.	0
	5
UP 1 5.	2
0 0	
(3) 4 _.	6
0 0	
(5) 8.	1
1 4.	5
IC1502① 15	,1
E-32 9.	ō
3 C	
IC1504① 1.	4
B-8② 0.	
③ 0.	
4 0	
⑤ 4.	
① 5.	
® 9.	

E BOARD TRANSISTOR VOLTAGE LIST

Location	В	С	Ε
D-3	0.1	8.1	0
B-7	1,4	4.2	0.8
C-4	9.0	7.7	9.0
B-4	4.1	8.8	3.5
D-4	3.0	9.0	2.4
B~5	8.1	4.5	8.8
D-5	2.4	0.5	3.1
C-6	3.8	0.8	4.2
B-7	5.4	9.0	4.8
B-5	8.8	9.0	8.1
C-7	- 0.5	4.8	0
	D-3 B-7 C-4 B-4 D-4 B-5 D-5 C-6 B-7 B-5	D-3 0.1 B-7 1.4 C-4 9.0 B-4 4.1 D-4 3.0 B-5 8.1 D-5 2.4 C-6 3.8 B-7 5.4 B-5 8.8	D-3 0.1 8.1 B-7 1.4 4.2 C-4 9.0 7.7 B-4 4.1 8.8 D-4 3.0 9.0 B-5 8.1 4.5 D-5 2.4 0.5 C-6 3.8 0.8 B-7 5.4 9.0 B-5 8.8 9.0

All voltages are in V



H BOARD * MARK

Ref. No.	Location	KV-32S12/S16	KV-32TW67/ 68	KV-32V16
C1010	C-4	-	-	0.47
CN156	C-4	-	3P	3P
Q1001	C-4			2SB709A
Q1002	C-5		-	2SD601A
Q1003	B-4	2SD601A	-	2SD601A
R1013	B-4	-	220	
R1016	C-4	-	-	220
R1017	C-4			220K
R1018	C-5		-	47K

O:TO BE MOUNT -: NOT MOUNT

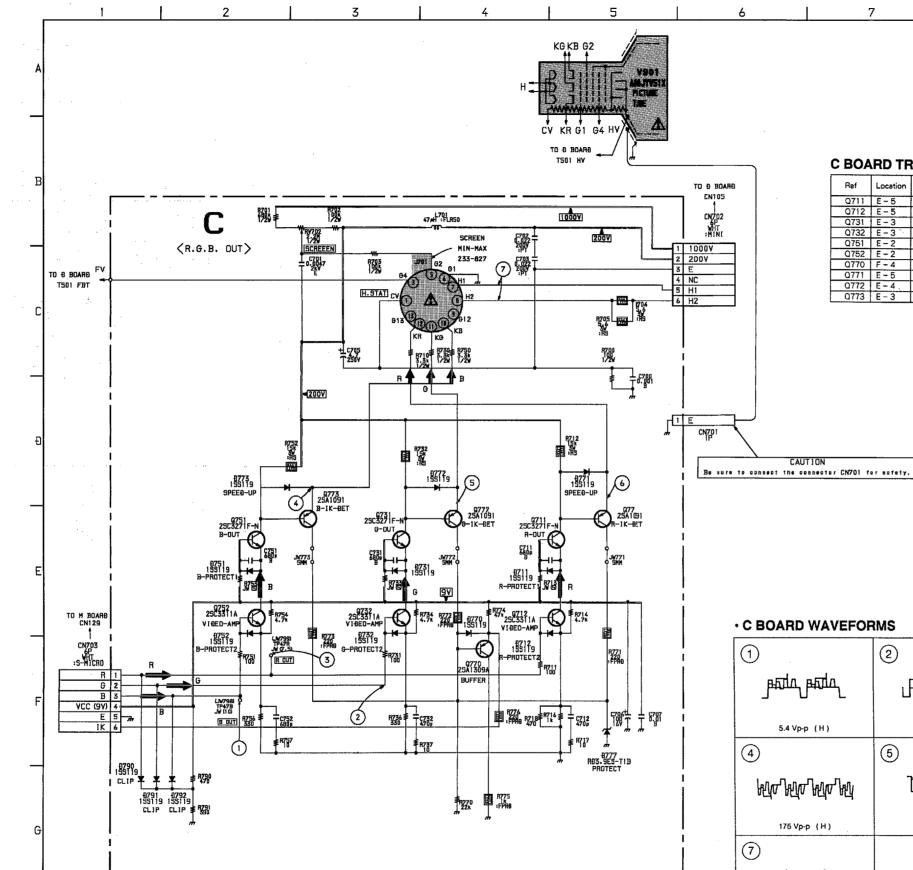
H BOARD IC VOLTAGE LIST							
1	IC1001 ①	4.8	IC1903①	0			
1	8-32	5.0	B-2 ②	0			
1	3	0	3	0			

All voltages are in V

H BOARD TRANSISTOR VOLTAGE LIST

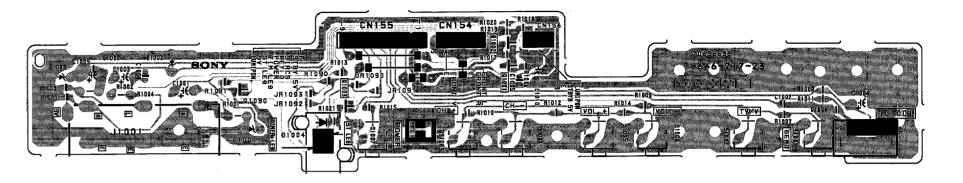
	Ref	Location	В	С	E
Ī	Q1001	C-5	0	0	4.5
I	Q1002	C - 5	4.5	8.9	5.0
ſ	Q1003	B - 4	0.1	6.9	0

All voltages are in V

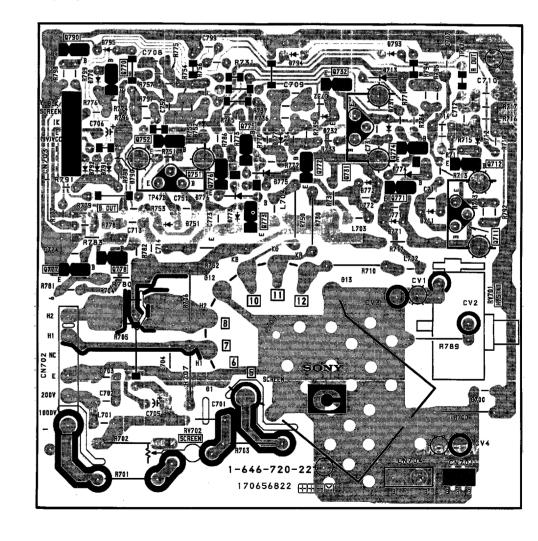




- H BOARD -



- C BOARD -



5.6 Vp-p (H)

180 Vp-p (H)

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5.6 Vp-p (H)

MATCHAR

185 Vp-p (H)

· C BOARD WAVEFORMS

5.4 Vp-p (H)

175 Vp-p (H)

25 Vp-p (H)

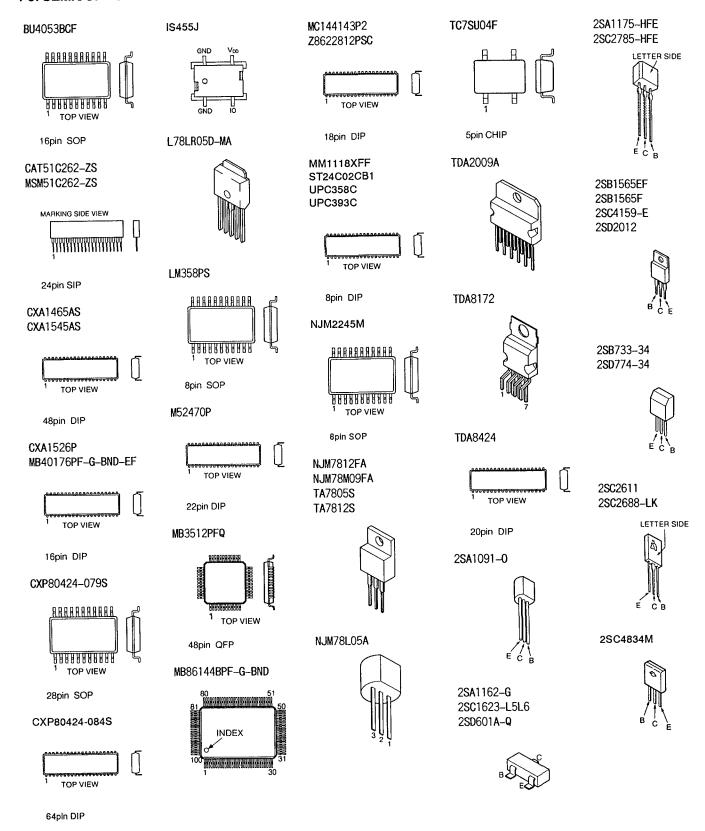
B-595430<U..>-C..

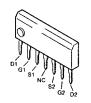
C BOARD TRANSISTOR VOLTAGE LIST

All voltages are in V

Ref Location B C

4-5. SEMICONDUCTIONS





D4SB60L

D5SC4M

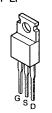
EGP20G EL1Z GP08D



SHOR3D42



2SD2394-EF



D1N2OR D1NS4 ERA83-006 ERA85-009 RD10ESB2

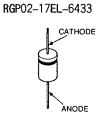
RD12ESB3 RD3.9ESB2 RD30ESB2

RD33ESB1 RD33ESB2

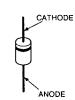
RD5. JESB1 RD6.2ESB2

RD8.2ESB3 RD9. 1ESL.

1SS119-25 **1SS133**



ERC06-15S S2L20UF S3V10SS



CATHODE ANODE

ERD29-08J



D2S4MF



HVU359TRF MA110 1T33



SECTION 5 EXPLODED VIEWS

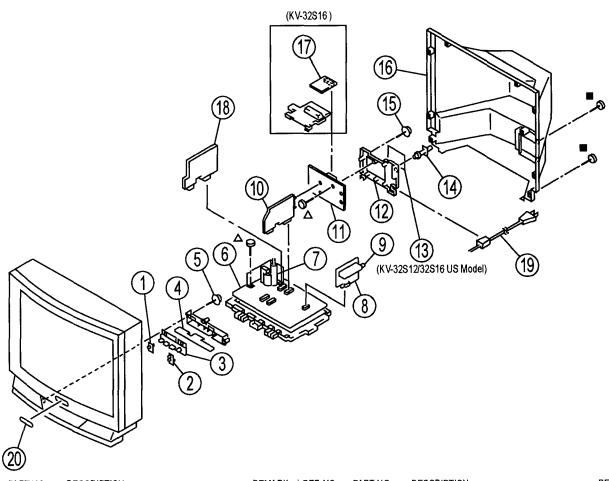
NOTE

- Items with on part number and on description are not stocked because they are seldom required for routine service
- The construction parts of an assembled part are indicated with a collation number in the remark column
- Items marked "*" are not stocked since they are seldom required for routine service Some delay should be anticipated when ordering these items

5-1. CHASSIS (KV-32S12/32S16)

△ +BVTP 4x12 7-685-661-14 +BVTP 4X16 7-685-663-79 The components identified by shading and mark <u>A</u> are critical for safety Replace only with part number specified

Les composants identifies par une trame et une marque ∆ sont critiques pour la securite Ne les remplacer que par une piece portant le numero specifie

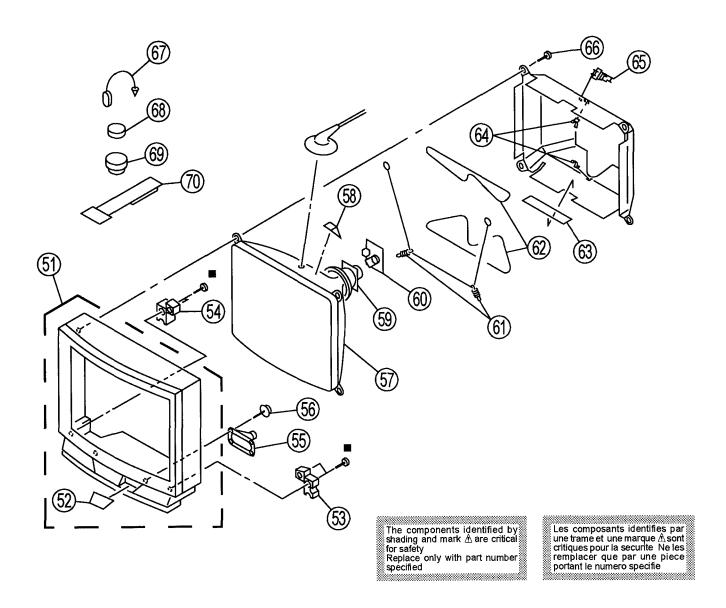


	$\overline{}$						
REF. NO	PART NO.	DESCRIPTION	REMARK	REF. NO	PART NO	DESCRIPTION	REMARK
11211110	17.11.11.11.						
1	4-039-458-01	FILTER, REMOTE			* A-1394-544-A	UA BOARD, COMPLETE (KV-32S16 Canadian	n model)
2	4-039-457-21	GUIDE, LED			* A-1394-676-A	UA BOARD, COMPLETE (KV-32S12)	,
3		BUTTON, MULTI		12		PANELE, ANTENNA TERMINAL	
1		H BOARD, COMPLETE		13		LABEL, TERMINAL (KV-32S12/32S16 US mod	iel)
5		SCREW. SPECIAL (+PW 4X30)		,0	7 000 001 01	BIBLE, I CITIMINATE (ICT OZO I BOZO IO GO III OC	101)
J	4-313-320-11	CONEVY, OF COINE (11 VV 4A30)		14	1 766 274 11	PULUG, F-PIN	
				1		•	
6	* A-1364-193-A	D BOARD, COMPLETE		15	4-382-854-11	SCREW (M3X10), P, SW (+)	
7 2	1-453-146-11	TRANSFORMER ASSY, FLYBACK (NX-2604A3	}	16	4-039-634-11	COVER, REAR	
8	* A-1297-221-A	A BOARD, COMPLETE		17	* A-1195-062-A	P BOARD, COMPLETE (KV-32S16 US model)	
0000000000000	,000,000,000,000,000,000,000,000,000	TUNER BTF-WA402		18		E BOARD, COMPLETE	
10.00 10.00 10.00 10.00 10.00	And the second control of the second control		000000000000000000000000000000000000000	1			
10	A-1300-434-A	M BOARD, COMPLETE				CONT. DOLLER MATE CHARGOTOR AND	440000000000000000000000000000000000000
				500000000000000000000000000000000000000	randela del del del del como conservario del del del conse	CORD, POWER (WITH CHINECTOR) 10A/125	W
11	* A-1394-527-A	UA BOARD, COMPLETE (KV-32S16 US model))	20	4-046-160-01	EMBLEM (NO 9), SONY	
		•		t			

5-2. PICTURE TUBE (KV-32S12/32S16)

■ BVTP 4x16

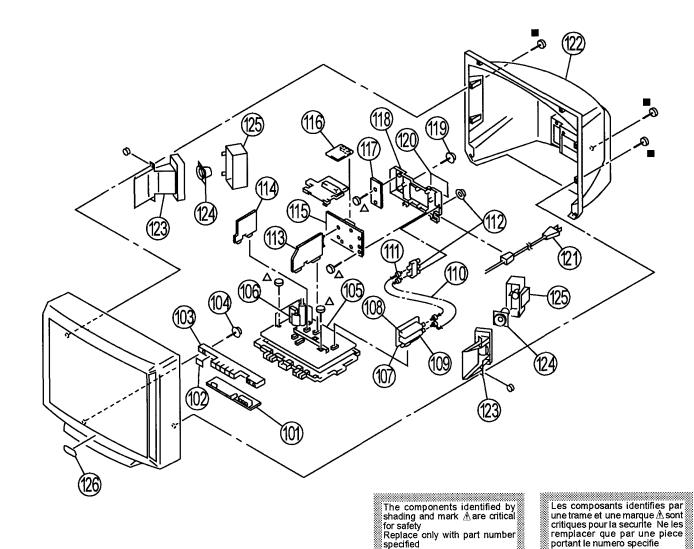
7-685-663-79



REF. NO	PART NO	DESCRIPTION	REMARK	REF. NO	PART NO	DESCRIPTION	REMARK
51 52 53 54 55	4-043-222-01 * 4-031-428-11 * 4-031-430-11	BEZET ASSY LID, CONTROL SUPPORT (RIGHT) (PICTURE TUBE) SUPPORT (LEFT) (PICTURE TUBE) SPEAKER (13 1X6 2CM)	52		h 1-402-952-11 * 4-031-698-01 4-371-629-01	SPRING (B), TENSION COIL, DEMAGETIZATION SHEET, ADHESIVE STOPPER, WIRE HOLDER, LEAD	
58	▲ 8-733-739-05 4-041-361-01 ▲ 8-451-315-41	SCREW (3X16), TAPPING, +BV WASHER PICTURE TUBE (A80JYV51X) SPACER, DY DEFLECTION YOKE Y34FXA (VTM) C BOARD, COMPLETE		66 67 68 69 70	4-308-870-00 1-452-032-00 1-452-094-00	SCREW (7), TAPPING CLIP, LEAD WIRE MAGNET, DISC, 10MMø MAGNET, ROTATABLE DISK, PERMALLOY AASY, CONVER	

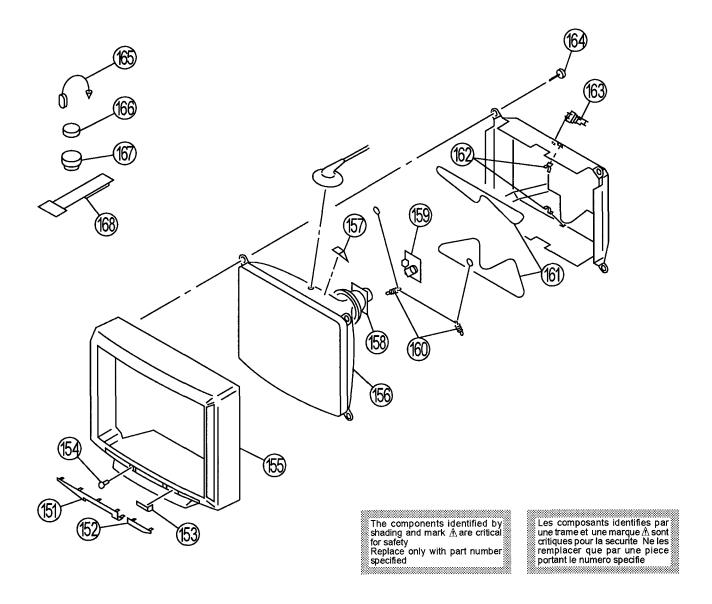
5-3. CHASSIS (KV-32V16)

7-685-661-14 7-685-663-79



REMARK REMARK REF. NO PART NO DESCRIPTION REF. NO PART NO. DESCRIPTION * A-1341-622-A E BOARD, COMPLETE * A-1371-998-A H BOARD, COMPLETE 101 114 * A-1394-529-A UA BOARD, COMPLETE * A-1390-410-A L BOARD, COMPLETE 115 102 103 4-043-580-01 BUTTON, MULTI 4-319-520-11 SCREW, SPECIAL (+PW4X30) * A-1195-062-A P BOARD, COMPLETE 104 116 A-1390-411-A Z BOARD, COMPLETE 105 * A-1346-201-A D BOARD, COMPLETE 117 118 4-039-517-11 PANEL, ANTENNA TERMINAL 106 🗘 1-453-146-11 TRANSFORMER ASSY, FLYBACK (NX-2604A3) 119 4-382-854-11 CCREW (M3X10), P, SW (+) 120 4-039-834-01 LABEL, TERNINAL * A-1297-233-A A BOARD, COMPLETE 108 A 8-598-254-00 TUNER BTF-WA402 121 A 1-751-059-11 CORD, POWER (WITH CONNECTOR) 10A/125V 109 A 8-598-047-11 TUNER, ET BTF-LA401 4-043-579-01 COVER, REAR * 1-751-136-11 CAGLE, PIN 122 110 4-043-457-01 BAFFLE, SPEAKER 123 1-504-524-11 SPEAKER (8CM) 124 111 * 1-751-135-11 CABLE, PIN 125 X-4032-226-1 COVER ASSY, SPEAKER 1-417-178-11 SELECTOR, ANTENNA (AS-2) 112 113 * A-1306-454-A M BOARD, COMPLETE 4-046-160-01 EMBLEM (NO 9) SONY 126

5-4. PICTURE TUBE (KV-32V16)



REF. NO	PART NO	DESCRIPTION	REMARK	REF. NO	PART NO	DESCRIPTION	REMARK
155 156 本 157 158 本	4-043-658-01 4-043-433-21 * 4-389-517-01 4-043-578-01 8-733-739-05 4-041-361-01 8-451-315-41 * A-1331-351-A	PICTURE TUBE (A80JYV51X)		161 2 162 163 164 165 166 167 168	* 4-371-629-01 4-033-681-01 4-041-268-01 4-308-870-00 1-452-032-00 1-452-094-00	COIL, DEMAGNETIZATION STOPPER, WIRE HOLDER, LERD SCREW (7), TAPPING CLIP, LEAD WIRE MAGNET, DISK, 10MMØ MAGNET, ROTATBLE DISK, 15MMØ PERMALLOY ASSY, CONVERGENCE	

5-5. CHASSIS (KV-32TW67/32TW68)

7-685-661-1**4** 7-685-663-79

The components identified by shading and mark ≜ are critical for safety Replace only with part number specified

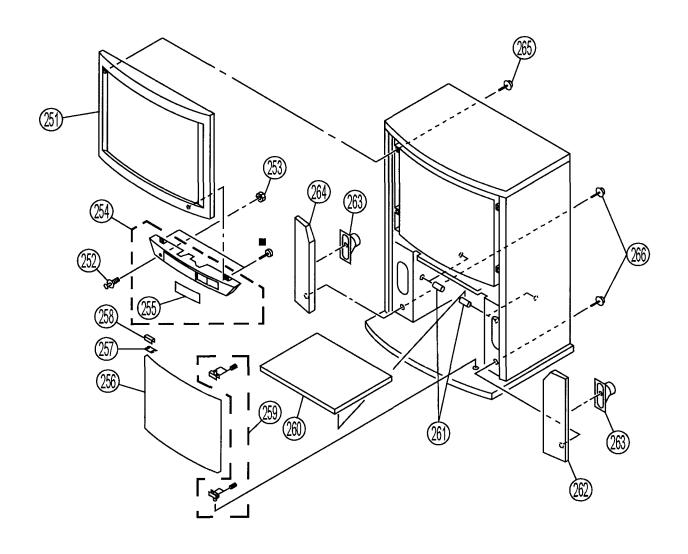
Les composants identifies par une trame et une marque ≜ sont critiques pour la securite Ne les remplacer que par une piece portant le numero specifie

201 4-040-393-01 FILTER, REMOTE 212 * A-1394-415-A UA BOARD, COMPLETE	RK
201 4-040-393-01 FILTER, REMOTE 212 * A-1394-415-A UA BOARD, COMPLETE	
202 4-040-394-01 GUIDE, LED 213 * A-1195-062-A P BOARD, COMPLETE	
203 4-040-401-01 HOLDER, CHASSIS 214 4-039-524-01 PANEL, ANTENNA TERMINAL	
204 * A-1372-020-A H BOARD, COMPLETE 215 4-039-834-01 LABEL,TERMINAL	
205 4-319-520-11 SCREW, SPECIAL (+PW4X30)	
216 1-766-374-11 PLUG, F-PIN	
206 * A-1346-193-A D BOARD, COMPLETE 217 4-382-854-11 SCREW (M3X10), P, SW (+)	
207 ▲ 1-453-146-11 TRANSFORMER ASSY, FLYBACK (NX-2604A3) 218 ★ 1-751-059-11 CORD, POWER (WITH CONNECTOR) 10A/125V	
208 * A-1297-432-A A BOARD, COMPLETE 219 4-040-523-01 BOARD, REAR	
209 🛦 8-598-254-00 TUNER BTF-WA402 220 4-378-522-01 SCREW, TAPPING, HEXAGON HEAD	
210 * A-1306-470-A M BOARD, COMPLETE	
221 4-032-338-11 COVER, NECK	
211 * A-1341-622-A E BOARD, COMPLETE 222 3-704-179-01 EMBLEM (NO 9) SONY	

5-6. CONTROL PANEL (KV-32TW67/32TW68)

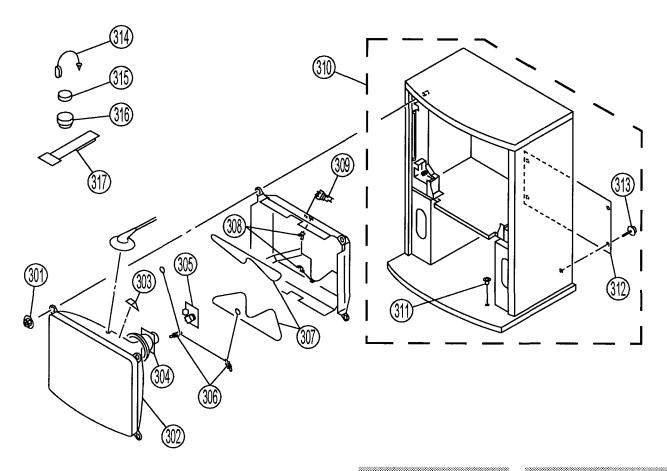
■ +BVTP 4x16

7-685-663-79



REF. NO	PART NO	DESCRIPTION	REMARK	REF. NO	PART NO	DESCRIPTION	REMARK
251 252	4-032-337-11	BEZEL MAGNET, PUSH		260	X-4031-139-1	PLATE ASSY, RACK	
252		NUT, HEXAGON HEAD		261	4-041-162-01	PIN RACK	
254		PANEL ASSY, CONTROL	255	262		GRILLE ASSY (RIGHT), SPEAKER	
255		DOOR, CONTROL		263	1-544-549-11	SPEAKER	
		,		264	X-4031-162-1	GRILLE ASSY (LEFT), SPEAKER	
256	X-4031-138-1	DOOR ASSY, GLASS		265	4-319-520-11	SCREW, SPECIAL (+PW4X30)	
257	2-352-981-01	SPACER					
258	2-359-505-01	RETAINER, MAGNET		266	4-384-096-01	SCREW (4X16), TAPPING, +P	
259	4-041-362-01	HINGE SET					

5-7. PICTURE TUBE (KV-32TW67/32TW68)



The components identified by shading and mark ≜are critical for safety Replace only with part number specified.

Les composants identifies par une trame et une marque ≜ sont critiques pour la securite Ne les remplacer que par une piece portant le numero specifie.

REF. NO	<u>PART NO</u>	DESCRIPTION	REMARK	REF. NO	PART NO	DESCRIPTION	REMARK
301	4-387-204-01	NUT, SPECIAL, CRT					
302	▲ 8-733-739-05	PICTUER TUBE (A80JYV51X)		311	2-112-350-01	BEARING	
303	4-041-361-01	SPACER, DY		312	4-040-389-01	BOARD, LOWER	
304	▲ 8-451-315-41	DEFLECTION YOKE Y34FXA (VTM)		313	4-378-522-01	SCREW, TAPPING, HEXAGON HEAD	
305	* A-1331-351-A	C BOARD, COMPLETE		314	4-308-870-00	CLIP, LEAD WIRE	
				315	1-452-032-00	MAGNET, DISC, 10MMø	
306		BRACKET, MAIN					
200000000000000000000000000000000000000	▲ 1-402-952-11	COIL, DEMAGNETIZATION		316	1-452-094-00	MAGNET, ROTATABLE DISK, 15MMø	
308		STOPPER, WIRE		317	X-4306-312-0	PERMALLOY ASSY, CONVERGENCE	
309		HOLDER, LEAD					
310		CABINET ASSY (KV-32TW67)	311-313				
	* X-4031-163-2	CABINET ASSY (KV-32TW68)	311-313				



SECTION 6 ELECTRICAL PARTS LIST

The components identified by shading and mark <u>A</u> are critical for safety Replace only with part number specified

Les composants identifies par une trame et une marque ≜ sont critiques pour la securite Ne les remplacer que par une piece portant le numero specifie

- Items marked "*" are not stocked since they are seldom required for routine service Some delay should be anticipated when ordering these items
- All variable and adjustable resistors have characteristic curve B, unless otherwise noted

- RESISTORS
 All resistors are in ohms
 F nonflammable

When indicating A parts by reference number, please include the board name

CAPACITORS COILS • MF μ F, PF $\mu\mu$ F • MMH mH, UH μ H

The components identified by in this manual have been carefully factory-selected for each set in order to satisfy regulations regarding X-ray radiation Should replacement be required, replace only with the value originally used

300000000000000000000000000000000000000		* 1	Horman	imabic							
<u>R</u> EF. NO	PART NO	DESCRIPTION			REMARK	REF. NO	PART NO	DESCRIPTION			REMARK
						Q173	8-729-424-02	TRANSISTOR	2SA1162-0	G (KV-32V16)	
	* A-1297-221-A	A BOARD, COMPL	ETE (KV-32	S12/KV32S16)						
	* A-1297-233-A	A BOARD, COMPL		V16)				<resistor></resistor>			
	71 1207 200 71	*****	*****					1120101011			
	* A-1297-432-A	A BOARD, COMPL		TW67/KV-32T	W68)	R170	1-216-025-91	METAL GLAZE	100	5% 1/10W	(07.10.07)
		**********************	*****			R173	1 216 205 01	CONDUCTOR, CH		2/32S16/32TV (2012)	V67/321W68) (KV-32V16)
		<capacitor></capacitor>				R174		METAL GLAZE	39K	5% 1/10W	(N V~32V 10)
						R175		METAL OXIDE	22K	5% 2W F	(KV-32V16)
C173		CERAMIC CHIP	0 01MF	10% 50V		R177	1-215-900-11	METAL OXIDE	22K	5% 2W F	
C174		CERAMIC CHIP	0 01MF	10% 50V 20% 16V		D470	1 216 065 00	METAL CLAZE	4.71/	EO/ 4/40\A/	
C175 C176	1-126-935-11 1-126-935-11		470MF 470MF	20% 16V 20% 16V		R179 R181		METAL GLAZE METAL GLAZE	4 7K 100	5% 1/10W 5% 1/10W	(K\/_32\/16\
C177	1-126-964-11		10MF	20% 10V 20% 50V		R185		METAL GLAZE	100	5% 1/10W	
0111	1 120 001 11			2011 001		R187		METAL GLAZE	27K	5% 1/10W	(11.1.021.10)
C178	1-126-933-11		100MF	20% 16V		R188		METAL GLAZE	39K	5% 1/10W	(KV-32V16)
C179	1-128-551-11		22MF	20% 25V	/// / 00/ // 00		4 040 000 00	*******	071/	50(4140)44	((() (0 0) ((0)
C180 C181	1-128-551-11		22MF 0 0022MF	20% 25V	(KV-32V16)	R189 R190		METAL GLAZE METAL GLAZE	27K 47K	5% 1/10W 5% 1/10W	
C182		CERAMIC CHIP CERAMIC CHIP	0 0022MF		(KV-32V16)	R190		METAL GLAZE	47K 47K	5% 1/10W	
0102	1-104-101-11	OLIV WING OF III	0 00221111	1070 001	(114 02410)	R193		METAL GLAZE	330	5% 1/10W	(111 021 10)
C184	1-126-964-11	ELECT	10MF	20% 50V	(KV-32V16)						2S16/32V16)
C185	1-126-964-11	ELECT	10MF	20% 50V	(KV-32V16)	R196	1-216-037-00	METAL GLAZE	330	5% 1/10W	(KV-32V16)
		<connector></connector>				}		<tuner></tuner>			
						200000000000000000000000000000000000000	•		************	300000000000000000000000000000000000000	
CN103		PLUG, CONNECTO		ADD 44D				TUNER BTF-WA4		vaev	
CN151 CN152		CONNECTOR, BOX				10102 €	D 6-090-UA7-11	TUNER, ET BTF-L	HAUT (KV-34	¥10)	
CN152		PLUG, CONNECTO		AIND 321							
CN165		PLUG, CONNECTO				*******	******	********	****	******	****
						1	* * 4000 454 *	M DOADD COM	N ETE (V.) 10	2040/20040/0	2014.00
		<diode></diode>					" A-1306-454-A	M BOARD, COMF		281213281013	2V16)
		ADIODE,					* A-1306-470-A	M BOARD, COMP	LETE (KV32	TW67/32TW6	8)
D170		DIODE RD33ES-B						******	*****		•
D175	8-719-113-92	DIODE RD33ES-B	1 (KV-32V16	5)							
		<ic></ic>						<capacitor></capacitor>			
		407						TOTAL MOTO TO			
IC172	8-759-932-67	IC BU4053BCF (KV	/-32V16)			C002		CERAMIC CHIP	0 047MF	10% 25V	
						C003		CERAMIC CHIP	220PF	10% 50V	
		<coil></coil>				C005 C006		CERAMIC CHIP	220PF 220PF	10% 50V 10% 50V	
		COIL				C007	1-124-903-11		1MF	20% 50V	
L170	1-408-408-00	INDUCTOR 8 2UH					2				
L171	1-408-408-00	INDUCTOR 8 2UH				C008		CERAMIC CHIP	220PF	10% 50V	
L172		INDUCTOR 8 2UH				C009		CERAMIC CHIP	220PF	10% 50V	
L173	1-408-408-00	INDUCTOR 8 2UH	(KV-32V16)	+		C010 C012		CERAMIC CHIP CERAMIC CHIP	220PF 220PF	10% 50V 10% 50V	
						C012		CERAMIC CHIP	220PF 220PF	10% 50V 10% 50V	
		<transistor></transistor>				55,15	11	- 2.0 01111			
.			40.1			C014		CERAMIC CHIP	220PF	10% 50V	
Q172	8-729-424-02	TRANSISTOR	2SA1162-0	G (KV-32V16)		C015	1-163-001-11	CERAMIC CHIP	220PF	10% 50V	



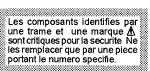
REF. NO	PART NO.	DESCRIPTION		REMARK	REF. NO	<u>PART NO</u>	DESCRIPTION			REMARK
C016	1-163-001-11	CERAMIC CHIP	220PF	10% 50V						
C017	1-163-001-11	CERAMIC CHIP	220PF	10% 50V	C301	1-163-117-00	CERAMIC CHIP	100PF	5% 50V	
C018	1-163-001-11	CERAMIC CHIP	220PF	10% 50V	C305	1-126-964-11		10MF	20% 50V	
					C306	1-124-902-00		0 47MF	20% 50V	
C019		CERAMIC CHIP	220PF	10% 50V	C307		CERAMIC CHIP	220PF	5% 50V	
C021		CERAMIC CHIP	220PF	10% 50V	C308		CERAMIC CHIP	18PF	5% 50V	
C022		CERAMIC CHIP	220PF	10% 50V	C310	1-128-551-11	ELECT	22MF	20% 25V	
C023		CERAMIC CHIP	220PF	10% 50V	0044	4 404 000 44	FLEOT	4145	2001 5011	
C025	1-163-001-11	CERAMIC CHIP	220PF	10% 50V	C311	1-124-903-11		1MF	20% 50V	
0030	1 162 001 11	CERAMIC CHIP	220PF	10% 50V	C313 C315		CERAMIC CHIP	330PF	10% 50V	
C028 C029		CERAMIC CHIP	220PF 220PF	10% 50V	C315	1-126-964-11 1-126-964-11		10MF 10MF	20% 50V 20% 50V	
C029	1-124-902-00		0.47MF	20% 50V	C317	1-126-964-11		10MF	20% 50V 20% 50V	
C032	1-124-302-00		100MF	20% 10V	0317	1-120-304-11	LECOT	TOWN	2076 304	
C034		CERAMIC CHIP	220PF	10% 50V	C318	1-136-165-00	FILM	0 1MF	5% 50V	
				(KV-32S12/32S16/32V16)	C319	1-136-165-00		0 1MF	5% 50V	
				(*** **********************************	C320	1-136-165-00		0 1MF	5% 50V	
C035	1-163-001-11	CERAMIC CHIP	220PF	10% 50V	C321	1-126-952-11		1000MF	20% 16V	
				(KV-32S12/32S16/32V16)	C322	1-136-153-00	FILM	0 01MF	5% 50V	
C041	1-163-009-11	CERAMIC CHIP	0 001MF	10% 50V						
C043	1-163-159-00	CERAMIC CHIP	12PF	20% 50V	C323	1-126-923-11		220MF	20% 10V	
				(KV-32TW67/32TW68)	C324		CERAMIC CHIP	330PF	10% 50V	
C045	1-126-940-11		330MF	20% 16V	C325		CERAMIC CHIP	0 022MF	10% 25V	
C047	1-104-896-11	CERAMIC CHIP	24PF	20% 50V	C326	1-136-169-00		0 22MF	5% 50V	
				(KV-32TW67/32TW68)	C327	1-136-169-00	FILM	0 22MF	5% 50V	
0040	4 400 004 44	FLEOT	40145	200/ 501/	0000	4 404 000 00	FLEAT	A 4784E	000/ 501/	
C048	1-126-964-11		10MF	20% 50V	C328	1-124-902-00		0 47MF	20% 50V	
C049 C050		CERAMIC CHIP CERAMIC CHIP	220PF 220PF	10% 50V 10% 50V	C329 C330	1-124-903-11 1-126-964-11		1MF 10MF	20% 50V 20% 50V	
C050		CERAMIC CHIP	0 01MF	50V	C332		CERAMIC CHIP	0 22MF	10% 16V	
C052		CERAMIC CHIP	220PF	10% 50V	C333		CERAMIC CHIP	0 0015MF		
0002	1 100 001 11	CENTURIO CINI	ZZOTT	1010 001	0000	1 100 011 11	OLIVAINIO OTIII	0 00 101111	1070 304	
C053	1-163-121-00	CERAMIC CHIP	150PF	5% 50V	C334	1-124-902-00	ELECT	0 47MF	20% 50V	
C054		CERAMIC CHIP	220PF	5% 50V	C335		CERAMIC CHIP	220PF	10% 50V	
C055	1-163-001-11	CERAMIC CHIP	220PF	10% 50V	C336	1-124-903-11		1MF	20% 50V	
C056		CERAMIC CHIP	220PF	10% 50V	C337	1-124-902-00		0 47MF	20% 50V	
C057	1-163-017-00	CERAMIC CHIP	0 0047MF	10% 50V	C338	1-136-153-00	FILM	0 01MF	5% 50V	
				104/ 05/1						
C058		CERAMIC CHIP	0 022MF	10% 25V	C340		CERAMIC CHIP	470PF	10% 50V	
C059		CERAMIC CHIP	220PF	10% 50V	C342	1-106-359-00	MYLAK	U UU4/MF	10% 100V	
C060 C061	1-124-903-11	CERAMIC CHIP	1MF 100PF	20% 50V 5% 50V						
0001	1-103-117-00	CENAMIC CHIP	10011	(KV-32TW67/32TW68)			<connector></connector>			
C062	1-126-964-11	FLECT	10MF	20% 50V			COMMEDICAL			
0002	20 00				CN129	* 1-564-521-11	PLUG, CONNECTO	R 6P		
C150	1-136-165-00	FILM	0 1MF	5% 50V	CN130		CONNECTOR, BOA		ARD 20P	
C151	1-136-495-11	FILM	0 068MF	5% 50V	CN131		CONNECTOR, BOA			
C152	1-126-964-11	ELECT	10MF	20% 50V	CN134		PLUG, CONNECTO			(V16)
C153	1-137-367-11		0 0033MF		CN137	1-750-394-11	PIN, CONNECTOR	(STAKING)	32P	
C154	1-163-038-91	CERAMIC CHIP	0 1MF	25V	011400		B	5 45		
0455	4 400 004 44	Et EOT	40MF	200/ 501/	CN138		PLUG, CONNECTO		2042/2024	u (4.0)
C155	1-126-964-11		10MF	20% 50V	I .		PLUG, CONNECTO		32812/32816/32	(V16)
C156 C157		CERAMIC CHIP	560PF 0 1MF	5% 50V 25V	CN168	1-364-303-11	PLUG, CONNECTO	IR ZP		
C157	1-124-903-11	CERAMIC CHIP	1MF	20% 50V						
C160	1-124-903-11		1MF	20% 50			<diode></diode>			
0100	1-124-303-11	ELLOT	altit.	2070 30			'DIODE'			
C201	1-163-017-00	CERAMIC CHIP	0 0047MF	10% 50V	D001	8-719-404-46	DIODE MA110			
C202		CERAMIC CHIP	220PF	10% 50V	D002		DIODE MA110			
C203		CERAMIC CHIP	0 033MF	10% 25V	D004		DIODE MA110			
C204	1-126-933-11		100MF	20% 16V	D005	8-713-300-57				
C205		CERAMIC CHIP	220PF	10% 50V	D006		DIODE RD10ESB2			
C211		CERAMIC CHIP	0 033MF	10% 25V	D007		DIODE RD10ESB2			
C212	1-124-902-00		0 47MF	20% 50V	D008		DIODE RD10ESB2			
C213	1-124-902-00		0 47MF	20% 50V	D009		DIODE RD10ESB2			
C214		CERAMIC CHIP	0 0047MF		D150		DIODE MA110			
C216	1-104-665-11	ELEUT	100MF	20% 25V	D201	o-719-404-46	DIODE MA110			



IAI												
REF. NO	PART NO.	DESCRIPTION			REMARK	REF. NO	PART NO	DESCRIPTION			REMARK	
						R018	1-216-033-00	METAL GLAZE	220	5%	1/10W	
D202	8-719-404-46	DIODE MA110				R019		METAL GLAZE	220		1/10W	
D205		DIODE RD10ESB2	!									
D206		DIODE RD10ESB2				R020	1-216-033-00	METAL GLAZE	220	5%	1/10W	
D301	8-719-110-17	DIODE RD10ESB2	<u>)</u>			R021	1-216-073-00	METAL GLAZE	10K	5%	1/10W	
D304	8-719-110-17	DIODE RD10ESB2	!			R022		METAL GLAZE	10K		1/10W	
						R023		METAL GLAZE	220		1/10W	
D308	8-719-110-17	DIODE RD10ESB2	:			R025	1-216-033-00	METAL GLAZE	220	5%	1/10W	
						R026	1 216 007 00	METAL GLAZE	100K	£0/	1/10W	
		<ic></ic>				R027		METAL GLAZE	100K		1/10W	
		107				R028		METAL GLAZE	10K		1/10W	
IC101	8-752-851-01	IC CXP80424-0798	KV-32S1	2/32S16/32V16)		R029		METAL GLAZE	4 7K		1/10W	
IC101		IC CXP80424-0845				R030	1-216-073-00	METAL GLAZE	10K		1/10W	
IC102		IC ST24C02CB1										
IC103		IC L78LR05D-MA				R031		METAL GLAZE	220		1/10W	
IC150	8-759-328-12	IC Z8622812PSC				R032		METAL GLAZE	220		1/10W	
10201	9.750.000.01	IC TDAGAGA				R033		METAL GLAZE METAL GLAZE	220		1/10W	
IC201 IC202	8-759-090-21 8-750-083-60	IC LM358PS				R034 R035		METAL GLAZE	220 220		1/10W 1/10W	
IC301		IC CXA1465AS				1,000	1-210-033-00	WILIAL GLAZE	220	J /0	17 10 44	
10001	0 702 000 01	io oxiliioono				R036	1-216-033-00	METAL GLAZE	220	5%	1/10W	
						R037		METAL GLAZE	220		1/10W	
		<chip conducto<="" td=""><td>)R></td><td></td><td></td><td>R038</td><td>1-216-033-00</td><td>METAL GLAZE</td><td>220</td><td>5%</td><td>1/10W</td><td></td></chip>)R>			R038	1-216-033-00	METAL GLAZE	220	5%	1/10W	
						R039		CONDUCTOR, C		(201		
JR200		CONDUCTOR, CHI		(2012)		R040	1-216-049-91	METAL GLAZE	1K	5%	1/10W	
JR201		CONDUCTOR, CHI		(2012)		D044	4 040 000 00	METAL OLA 75	000	50 /	4140041	
JR202 JR205		CONDUCTOR, CHI		(2012) (2012)		R041 R042		METAL GLAZE METAL GLAZE	220 1K		1/10W 1/10W	
3/1/203	1-210-233-31	CONDUCTOR, CHI	Г	(2012)		R042		METAL GLAZE	1K		1/10W	
						R044		METAL GLAZE	4 7K		1/10W	
		<coil></coil>				R045		METAL GLAZE	47K		1/10W	
L001		INDUCTOR 10UH				R046		METAL GLAZE	4 7K		1/10W	
L002	1-408-414-00	INDUCTOR 27UH				R047	1-216-065-00	METAL GLAZE	4 7K		1/10W	
						R048	1 216 072 00	METAL GLAZE	10K		(KV-32TW67/32TW68) 1/10W	
		<transistor></transistor>				R049		METAL GLAZE	1K		1/10W	
		110000000				R050		METAL GLAZE	1K		1/10W	
Q001	8-729-216-22	TRANSISTOR	2SA1162-	G								
Q002	8-729-216-22	TRANSISTOR	2SA1162-	G (KV-32TW67/3	2TW68)	R051		METAL GLAZE	10K		1/10W	
Q004		TRANSISTOR	2SA1162-			R052		METAL GLAZE	4 7K		1/10W	
Q005		TRANSISTOR	2SD601A-			R053		METAL GLAZE	1K		1/10W	
Q151	8-729-422-27	TRANSISTOR	2SD601A	-Q		R054		METAL GLAZE	1K		1/10W	
Q201	8 700 400 07	TRANSISTOR	2SD601A	-0		R055	1-210-033-00	METAL GLAZE	220		1/10W -32S12/32S16/32V16)	
Q301		TRANSISTOR	2SA1162-			R056	1-216-065-00	METAL GLAZE	4 7K	,	-32312132310/32 4 10 <i>)</i> -1/10W	
Q302		TRANSISTOR	2SA1162-			R057		METAL GLAZE	4 7K		1/10W	
Q308		TRANSISTOR	2SD601A-			R058		METAL GLAZE	10K	5%	1/10W	
						R059		METAL GLAZE	4 7K		1/10W	
						R060	1-216-079-00	METAL GLAZE	18K	5%	1/10W	
		<resistor></resistor>				D000	4 040 057 00	METAL OLAZE	0.01/	50 /	4140041	
R002	1 316 073 00	METAL GLAZE	101/	5% 1/10W		R062 R063		METAL GLAZE METAL GLAZE	2 2K 220		1/10W 1/10W	
R002		METAL GLAZE	10K 220	5% 1/10W		KUUS	1-210-033-00	WETAL GLAZE	220		-32S12/32S16/32V16)	
R004		METAL GLAZE	220	5% 1/10W		R064	1-216-065-00	METAL GLAZE	4 7K		-32012/32010/32 V 10/	
R005		METAL GLAZE	220	5% 1/10W		R065		METAL GLAZE	4 7K		1/10W	
R006	1-216-049-91	METAL GLAZE	1K	5% 1/10W		R066	1-216-025-91	METAL GLAZE	100		1/10W	
			225	F01 414-111					4			
R007		METAL GLAZE	220	5% 1/10W		R067		METAL GLAZE	100		1/10W	
R008		METAL GLAZE	220	5% 1/10W		R069	1-216-033-00	METAL GLAZE	220		1/10W	
R009 R011		METAL GLAZE METAL GLAZE	220 220	5% 1/10W 5% 1/10W		R070	1_216_0/0_01	METAL GLAZE	1K		-32S12/32S16/32V16) 1/10W	
R012		METAL GLAZE	220	5% 1/10W		1070	1-210-043-31	MILIAL GLAZE	IIX		-32S12/32S16/32V16)	
11012	1 210 000-00			0.0 II IVII		R071	1-216-049-91	METAL GLAZE	1K		-32312/32310/32 ¥ 10/ -1/10W	
R013		METAL GLAZE	220	5% 1/10W							-32S12/32S16/32V16)	
R016		METAL GLAZE	220	5% 1/10W		R074	1-216-295-91	CONDUCTOR, C	HIP	(201	2)	
R017	1-216-033-00	METAL GLAZE	220	5% 1/10W								



REF. NO	PART NO.	DESCRIPTION		REMARK	REF. NO	PART NO	DESCRIPTION		<u> </u>	REMARK
R075	1-216-295-91	CONDUCTOR, CH	НP	(2012)	R304	1-216-039-00	METAL GLAZE	390	5% 1/10W	
R076	1-216-295-91	CONDUCTOR, CH	HP	(2012)	R305	1-216-039-00	METAL GLAZE	390	5% 1/10W	
R078	1-216-073-00	METAL GLAZE	10K	5% 1/10W	R306		METAL GLAZE	2 2K	5% 1/10W	
R079	1-216-295-91	CONDUCTOR, CH	HP 91	(2012)	R312	1-216-119-00	METAL GLAZE	820K	5% 1/10W	
R080	1-216-073-00	METAL GLAZE	10K	5% 1/10W						
R082	1-216-073-00	METAL GLAZE	10K	5% 1/10W	R313	1-216-079-00	METAL GLAZE	18K	5% 1/10W	
R083		METAL GLAZE	47K	5% 1/10W	R321	1-216-025-91	METAL GLAZE	100	5% 1/10W	
R086	1-216-089-00	METAL GLAZE	47K	5% 1/10W	R323		METAL GLAZE	470	5% 1/10W	
					R324	1-216-025-91	METAL GLAZE	100	5% 1/10W	
R087	1-216-049-91	METAL GLAZE	1K	5% 1/10W	R327	1-208-784-11	METAL CHIP	1 2K	0 50%	1/10W
R089	1-216-083-00	METAL GLAZE	27K	5% 1/10W	Ì					
				(KV-32TW67/32TW68)	R328	1-216-033-00	METAL GLAZE	220	5% 1/10W	
R090	1-216-073-00	METAL GLAZE	10K	5% 1/10W	R329	1-216-033-00	METAL GLAZE	220	5% 1/10W	
				(KV-32TW67/32TW68)	R330	1-216-295-91	CONDUCTOR, CI	HP	(2012)	
R091	1-216-073-00	METAL GLAZE	10K	5% 1/10W	R331	1-216-678-11	METAL CHIP	13K	0 50%	1/10W
R092	1-216-073-00	METAL GLAZE	10K	5% 1/10W	R332	1-216-057-00	METAL GLAZE	2 2K	5% 1/10W	
R093	1-216-097-00	METAL GLAZE	100K	5% 1/10W	R333	1-216-025-91	METAL GLAZE	100	5% 1/10W	
				(KV-32S12/32S16/32V16)	R334		METAL CHIP	33K	0 50%	1/10W
R093	1-216-295-91	CONDUCTOR, CH	-IIP	(2012)	R335	1-216-121-00	METAL GLAZE	1M	5% 1/10W	
				(KV-32TW67/32TW68)	R336	1-216-295-91	CONDUCTOR, CI	4IP	(2012)	
R150	1-216-097-00	METAL GLAZE	100K	5% 1/10W	R337	1-216-049-91	METAL GLAZE	1K	5% 1/10W	
R151	1-216-049-91	METAL GLAZE	1K	5% 1/10W						
R152	1-216-049-91	METAL GLAZE	1K	5% 1/10W	R338	1-249-417-11	CARBON	1K	5% 1/4W	F
	. =				R339	1-216-049-91	METAL GLAZE	1K	5% 1/10W	
R153	1-216-069-00	METAL GLAZE	6 8K	5% 1/10W	R340		METAL GLAZE	15K	5% 1/10W	
R154		METAL GLAZE	470	5% 1/10W	R341		METAL GLAZE	33K	5% 1/10W	
R155		METAL GLAZE	1K	5% 1/10W	R342		CONDUCTOR, C		(2012)	
R156		METAL GLAZE	10K	5% 1/10W	,				(
R157		METAL GLAZE	10K	5% 1/10W	R343	1-216-053-00	METAL GLAZE	1 5K	5% 1/10W	
1(15)	1 210 010 00	MENTE OB LEE	1011	0,0 11,000	R344		METAL GLAZE	560	5% 1/10W	
R158	1_216_073_00	METAL GLAZE	10K	5% 1/10W	R345		METAL GLAZE	330K	5% 1/10W	
R159		METAL GLAZE	1K	5% 1/10W	R346		METAL GLAZE	8 2K	5% 1/10W	
R160		METAL GLAZE	1K	5% 1/10W	R347	1-249-409-11		220	5% 1/4W	F
R161		METAL GLAZE	1K	5% 1/10W	11.047	1-240-400-11	OMINDOIN	220	070 17444	•
R162		METAL GLAZE	4 7K	5% 1/10W	R348	1_216_097_00	METAL GLAZE	100K	5% 1/10W	
K 102	1-210-003-00	MILTAL OLAZE	471	370 171044	R349		METAL GLAZE	47K	5% 1/10W	
R163	1 216 065 00	METAL GLAZE	47K	5% 1/10W	R351		MTAL GLAZE	47K	5% 1/10W	
R164		METAL GLAZE	47K	5% 1/10W	R352		METAL GLAZE	47K	5% 1/10W	
R165		METAL GLAZE	4 7K	5% 1/10W	R354		METAL GLAZE	220	5% 1/10W	
R166		METAL GLAZE	1K	5% 1/10W	1,004	1 210 000 00	MEINE OBIEE		0,0 11,011	
R168		METAL GLAZE	1K	5% 1/10W	R356	1-216-295-91	CONDUCTOR, C	HIP	(2012)	
K 100	1-210-043-31	MILIAL OLAZE	IIX.	370 171044	R374		METAL GLAZE	220	5% 1/10W	
R201	1_216_073_00	METAL GLAZE	10K	5% 1/10W	R375		METAL GLAZE	220	5% 1/10W	
R202		METAL GLAZE	10K	5% 1/10W	11010	1 210 000 00	MEME OB IEE		070 111011	
R202		METAL GLAZE	47K	5% 1/10W						
R204		METAL GLAZE	47K	5% 1/10W	1		<crystal></crystal>			
R205		CONDUCTOR, CI		(2012)						
11200	, 210 200-01	303007011, 01		,,	X001	1-567-775-11	VIBRATOR, CER.	AMIC		
R206	1-216-295-91	CONDUCTOR, CI	HIP	(2012)	X301		OSCILLATOR, CI			
R207		METAL GLAZE	33K	5% 1/10W						
R208		METAL GLAZE	47K	5% 1/10W	1					
R209		METAL GLAZE	33K	5% 1/10W						
R210	. =	METAL GLAZE	47K	5% 1/10W	******	*******	*******	*****	****	****
RZIO	1 210 000 00	MEINE OB LEE	17.13	070 111017						
R211	1-216-033-00	METAL GLAZE	220	5% 1/10W						
R212		METAL GLAZE	100	5% 1/10W	ļ.	* A-1346-193-A	D BOARD, COM	PLETE		
R213		METAL GLAZE	100	5% 1/10W			*******			
R218		METAL GLAZE	10K	5% 1/10W				(KV-32	S12/32S16/32TV	V67/32TW68)
R219		METAL GLAZE	10K	5% 1/10W	1			(,
NZIÐ	1-210-015-00	MEINE OLALL	1011	SIV ICIVIT	1	* A-1346-201-A	D BOARD, COM	PLETE (K)	V-32V16)	
R220	1_216_033_00	METAL GLAZE	220	5% 1/10W			******		/	
R220		METAL GLAZE	47K	5% 1/10W	1					
R223		METAL GLAZE	680	5% 1/10W	l	1-533-223-11	HOLDER, FUSE			
R301		METAL GLAZE	100	5% 1/10W			SCREW (M3X10)	. P. SW (+)		
R302		METAL GLAZE	1K	5% 1/10W				, . , - • • ()		
11002	1 210 0 10 01	METAL OF ISE	***							
R303	1-216-065-00	METAL GLAZE	47K	5% 1/10W			<capacitor></capacitor>			
11000	1 210 300-00			2.0	i		-:			



The components identified by shading and mark A are critical for safety Replace only with part number specified

							50000000000			************	>>>>>>>>>	**********	***************************************
REF. NO	PART NO	DESCRIPTION				REMARK	REF. NO	PART NO	DESCRIPTION				REMARK
							0644	1-164-625-11	CEDAMIC	680PF	100/	500V	
C501	1-126-942-61	ELECT	1000MF	20% 2	25\/		C614 C616	1-126-964-11		10MF		50V	
C502	1-162-131-11		220PF	10% 2			C617	1-126-953-11		2200MF		35V	
C503	1-126-942-61		1000MF	20% 2			C618	1-126-942-61		1000MF		25V	
C504	1-137-366-11		0 0022MF				0010	1-120-042-01	CLLOT	10001111	2070	201	
C505	1-128-551-11		22MF	20% 2			C619	1-126-952-11	FLECT	1000MF	20%	16V	
0000	1 120 001 11	LLLO					C620	1-164-644-11		330PF		500V	
C506	1-128-560-11	ELECT	22MF	20% 1	100V		C621	1-126-356-11		220MF		160V	
C509	1-128-551-11		22MF	20% 2			C623	1-102-030-00		330PF		500V	
C510	1-106-387-00		0 068MF	10% 2	200V		C624	1-136-155-00	FILM	0 015MF	5%	50V	
C511	1-123-024-21	ELECT	33MF	1	160V								
C512	1-102-212-00	CERAMIC	820PF	10% 5	500V		C625	1-129-719-00		0 027MF		400V	
							C626	1-104-665-11		100MF		25V	
C513	1-102-212-00		820PF	10% 5			C634	1-165-127-11		470PF		500V	
C514	1-102-244-00		220PF	10% 5			C635	1-126-967-11		47MF		16V	
C515	1-106-367-00		0 01MF	10% 1			C636	1-137-374-11	FILM	0 047MF	5%	50V	
C517	1-162-116-00		680PF	10% 2			0007	4 400 EE4 44	FLEOT	00145	200/	251	
C518	1-162-116-00	CERAMIC	680PF	10% 2	ZKV		C637	1-128-551-11		22MF		25V	
100000000000000000000000000000000000000		organis (grandos)	0.02MF	3% 2	912312		C639 C641	1-161-740-00 1-126-933-11		470PF 100MF		400V 10V	
A ACC	1-104-771-11	CEDAMIC CEDAMIC	470PF	10% 2			C642	1-120-933-11		0 01MF	5%		
0320 <u>(1)</u>	1 122 134 51	CERAMIC FILM	0.056MF	5% 6			C643	1-137-217-11		0 012MF	5%		
C522	1-106-383-00	MVI ΔR	0.000 M F	10% 2		***************************************	0040	1 101 210 11	1 ICIVI	0 0 121111	0.0	Ū	
C523	1-102-002-00		680PF	10% 5			C645	1-102-125-00	CERAMIC	0 0047MF	10%	50V	
0020	1 102 002 00	CETVANIO		, , , ,	•		C646	1-126-933-11		100MF		16V	
C524	1-102-212-00	CERAMIC	820PF	10% 5	500V		C647	1-128-551-11		22MF		25V	
C525	1-124-902-00		0 47MF	20% 5	50V		C684	1-124-667-11		10MF	20%	50V	
C526	1-106-395-00		0 15MF	10% 2	200V		C695	1-126-964-11		10MF	20%	50V	
C527	1-109-956-11	ELECT	1MF	20% 2									
C528	1-136-113-00	FILM	2MF	5% 2	200V		C2205		ELECT	2 2MF		50V	
							C2208	1-124-925-11		2 2MF		50V	
C529	1-106-343-00		0 001MF	10% 1			C2210	1-104-666-11		220MF		25V	
C530	1-104-770-11 1-104-664-11		0 62MF 47MF	5% 2 20% 2			C2211 C2212	1-104-664-11 1-104-666-11		47MF 220MF		25V 25V	
C531 C532	1-136-165-00		01MF	5% 5			02212	1-104-000-11	ELECT	2201911	20 /0	234	
C533	1-124-927-11		4 7MF	20% 5			C2213	1-136-173-00	FILM	0 47MF	5%	50V	
0000	. 121021 11	LLLO.		20.0	•••		C2215	1-136-169-00		0 22MF		50V	
C534	1-136-161-00	FILM	0 047MF	5% 5	50V		C2216	1-126-941-11		470MF		25V	
C535	1-126-969-11	ELECT	220MF	20% 5	5 0V		C2217	1-136-169-00	FILM	0 22MF	5%	50V	
C536	1-108-702-11		0 068MF	10% 1			C2218	1-126-942-61	ELECT	1000MF	20%	25V	
C537	1-126-964-11		10MF	20% 5									
C538	1-136-161-00	FILM	0 047MF	5% 5	5 0 V		C2219	1-126-942-61		1000MF		25V	
C540	1-137-366-11	EIIM	0 0022MF	50/ F	501/		C2220	1-124-925-11	ELEUI	2 2MF	20%	50V	
C541	1-137-366-11		0 0022MF										
C542	1-130-481-00		0 0068MF						<connector></connector>				
C545	1-124-927-11		4 7MF	20% 5									
C547	1-164-079-11		330PF	10% 5	50V		CN104	1-573-979-21	CONNECTOR, BO	ARD TO BO	ARD	11P	
									PIN, CONNECTOR		H) 6F	ס	
C548 🛦	1-162-116-91		680PF	10% 2					CONNECTORPIN	, ,			
C553	1-164-079-11		330PF	10% 5					CONNECTOR, BO				
C561	1-162-815-11		47PF	5% 5			CN109	* 1-573-296-21	CONNECTOR, BO	ARD TO BO	ARD	10P	
C595	1-107-635-11		4 7MF	20% 1			011440	* 4 500 705 00	DIN COMMENTO	VICENEE DITO		,	
C598	1-109-959-91	ELECT	3 3MF	20% 1	1607				PIN, CONNECTOR		H) 31	,	
C600	1-126-964-11	FLECT	10MF	20% 5	501/		CN114 CN115		CONNECTOR, BO		ΔRD	20P	
	1-136-311-51		0.47MF	20% 1					CONNECTOR, BO				
	1-136-311-51		0.47MF	20% 1			CN117		CONNECTOR, BO				
	1-162-578-81		0.0047MF						,				
C607	1-125-735-11		470MF	20% 2									
									<diode></diode>				
C608	1-125-735-11		470MF	20% 2			D504	0.740.000.70	DIODE DODGE 1	TI 6400			
C609	1-137-378-11		0 22MF	5% 5			D501		DIODE RGP02-17				
C610 C611	1-136-169-00 1-136-169-00		0 22MF 0 22MF	5% 5 5% 5			D502 D503		DIODE EGP20G-				
C612	1-136-169-00		0 22MF	5% 5			D504 A			11040			
55,2	. 100 100 00		,,,,				D505		DIODE EL1Z	anarananinin	esta esta esta esta esta esta esta esta		······································
C613	1-164-625-11	CERAMIC	680PF	10% 5	500V								

The components identified by shading and mark A are critical for safety Replace only with part number specified

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2000000000000		••••••							
REF. NO	PART NO.	DESCRIPTION	REMARK	REF. NO	PART NO	DESCRIPTION			REMARK
									
D506		DIODE ERC06-15\$							
D507		DIODE ERC06-15S		Į.		<ic></ic>			
D508		DIODE ERD29-08J		10504	0.750.000.50	IO TD 10170			
D509		DIODE EL1Z		IC501	8-759-980-58				
D510	8-719-908-03	DIODE GP08D		IC504	8-759-103-93			000000000	000000000000000000000000000000000000000
DC44	0.740.000.00	DIODE ORGAN				POWER MODULE	UM-48		
D511		DIODE GP08D		IC604	8-759-231-53				
D512 D513		DIODE RD5 1ESB1 DIODE GP08D		IC605	8-759-231-58	10 TA/8125			
D513 D514		DIODE 188119-25		IC606	0 750 701 50	IC NJM78M09FA			
D514 D515		DIODE 188119-25		IC610		IC NJM78L05A			
טוט	0-713-311-13	DIODE 133119-23		IC2200		IC TDA2009A			
D601	8.710.011.10	DIODE 1SS119-25		102200	0-730-300-431	IO IDAZOOA			
		DIODE DASBOOL							
D603		DIODE S3V10SS	*************			<coil></coil>			
D605		DIODE S3V10SS				00.2			
D607		DIODE D1NS4		L502	1-421-465-00	COIL, FERRITE CH	OKE 68UH		
				L503		INDUCTOR 8 2UH			
D608	8-719-510-02	DIODE D1NS4		L504	1-410-669-31	INDUCTOR 33UH			
D609	8-719-510-02	DIODE D1NS4		L505	1-459-104-00	COIL, WITH CORE			
D610	8-719-510-02	DIODE D1NS4		L506	1-410-396-41	FERRITE BEAD IN	DUCTOR 0	45UH	
D611	8-719-510-02	DIODE D1NS4							
D612	8-719-031-79	DIODE D5SC4M		L508		INDUCTOR 3 3MM			
				L509 🛕	1-409-861-21	COIL, HORIZONTA	L LINEARIT	Ý	
D613		DIODE D2S4MF		L510		COIL, CHOKE 15M			
D614		DIODE RD12ESB3		L513	1-412-524-11	INDUCTOR 8 2UH			
D615		DIODE S2L20UF							
D616		DIODE S2L20UF							
D617	8-719-027-43	DIODE S2L20UF				<pre><protector mo<="" pre=""></protector></pre>	DULE>		
5040	0.740.007.40			 			= ======		
D618		DIODE S2L20UF		PM501	1-810-061-21	PROTECTOR MOD	OULE PM-39)	
D619		DIODE D1NS4							
D622		DIODE 188119-25				-10 L INV-			
D623		DIODE 188119-25				<ic link=""></ic>			
D624	8-719-911-19	DIODE 1SS119-25		nomes 4	4 500 075 04	Tank to 4 m	************		
D626	0 740 540 40	DIODE D1N20R		P52201 AS	1-532-675-91	LINK, IC 15A			
D626 D627		DIODE DIN20R							
D627		DIODE 1SS119-25				ZTDANICIOTORS			
D633		DIODE RD8 2ESB3				<transistor></transistor>			
D634		DIODE 1SS119-25		Q502	9 720 110 90	TRANSISTOR	2SC2688-L	K	
D004	0-710-011-10	DIODE 100110 20		Q502 Q503		TRANSISTOR	2SC4159-E		
D635	8-719-911-19	DIODE 1SS119-25		Q505		TRANSISTOR	2SC2785-F		
D636		DIODE D1N20R		Q591		TRANSISTOR	2SC4927-0		
D637		DIODE 1SS119-25		Q601		TRANSISTOR	2SC4834M		
D638		DIODE 1SS119-25		""	0.120 0.10 10	71111110101011	200 100 111		
- •				Q602	8-729-019-49	TRANSISTOR	2SC4834N		
				Q603		TRANSISTOR	2SA1175-F		
		<fuse></fuse>		Q604		TRANSISTOR	2SC2785-I		
				Q605		TRANSISTOR	2SC2785-I		
F601	1-576-193-11	FUSE 6.3A/125V		Q611		TRANSISTOR	2SC2785-H	IFE	
	1-533-223-11	HOLDER, FUSE, F601							
				Q613		TRANSISTOR	2SB1565E		
				Q614		TRANSISTOR	2SC2785-H		
		<ferrite bead=""></ferrite>		Q2202	8-729-119-78	TRANSISTOR	2SC2785-I		
				Q2203	8-729-119-76	TRANSISTOR	2SA1175-H	IFE	
FB501		INDUCTOR, FERRITE BEAD							
FB502		INDUCTOR, FERRITE BEAD							
FB601		INDUCTOR, FERRITE BEAD				<resistor></resistor>			
FB602		INDUCTOR, FERRITE BEAD		\ <u></u>					
FB603	1-412-911-11	INDUCTOR, FERRITE BEAD		R501	1-249-444-11		0 56		1/4W F
ED 66 1	4 440 044 44	INDUCTOR FERRITS READ		R503		METAL OXIDE	68		1W F
FB604		INDUCTOR, FERRITE BEAD		R504		METAL OXIDE	3 3K		1W F
FB605		INDUCTOR, FERRITE BEAD		R505	1-249-443-11		0 47		1/4W F
FB606		INDUCTOR, FERRITE BEAD		R506	1-215-886-11	METAL OXIDE	100	5%	2W F
FB613		INDUCTOR, FERRITE BEAD		DE07	4 040 400 44	CARRON	101/	En/	414041
FB614	1-412-911-11	INDUCTOR, FERRITE BEAD		R507	1-249-429-11		10K		1/4W
				R508	1-249-425-11	CARDON	4 7K	J 70	1/4W

The components identified by

in this manual have been carefully factory-selected for each set in order to satisfy regulations regarding X-ray radiation Should replacement be required, replace only with the value originally used

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The components identified by shading and mark ⚠ are critical for safety Replace only with part number specified

REF. NO	PART NO	DESCRIPTION			REMARK	REF. NO	PART NO	DESCRIPTION				REMARK
R509 ≥ R511 ∆	1-249-389-11	CARBON CARBON	47 5%	1/4W F		R625	1-249-377-11	CARBON	0 47	5%	1/4W	F
R512	1-249-389-11		47 5%	1/4W F		R627 R628	1-249-377-11 1-249-377-11		0 47 0 47		1/4W 1/4W	
R513 R514	1-216-385-11 1-249-429-11	METAL OXIDE		3W F 1/4W		R629	1-249-388-11		39		1/4W	
R516	1-249-401-11			1/4W		R630		METAL OXIDE	10		1W F	
R517		METAL OXIDE		2W F		R632	1-249-417-11				1/4W	
R518		METAL OXIDE		2W F		R633 R635	1-249-405-11 1-249-413-11				1/4W 1/4W	
R519	1-249-426-11	CARBON	56K 5%	1/4W F		Deac	4 240 202 44	CARRON	4.5	En/	4 (4) 4 (r
R520	1-249-423-11	CARBON		1/4W		R636	1-249-383-11 1-249-421-11				1/4W	۲
R521	1-249-411-11	CARBON		1/4W		R637 R638	1-249-421-11				1/4W 1/4W	
R522		METAL OXIDE		2W F		R639	1-249-423-11				1/4W	
R523	1-215-862-11	METAL OXIDE	68 5%	1W F		l .	1-202-730-91				1/2//	
₩ R524 <u>A</u>		CARBON		1/4W		D040	4 040 000 00	METAL OVIDE	0.0		01A/ F	
R526	1-247-887-00	CARBON		1/4W	******************************	R643	1-216-399-00 1-212-853-61	METAL OXIDE	68 68		3W F	# 000000000000000000000000000000000000
R527	1-215-861-00	METAL OXIDE	47 5%	1W F		R645	1-249-377-11				1/4W	
R528	1-247-750-11			1/2W F		R646	1-249-429-11				1/4W	
R530	1-215-445-00	METAL.	10K 1%	1/4W		R647	1-247-863-91				1/4W	
R531	1-247-903-00	CARRON	1M 5%	1/4W				J. 11.2371				
R532	1-215-446-00			1/4VV 1/4W		R648	1-249-414-11	CARBON			1/4W	
R534	1-249-385-11			1/4W F		R649		METAL OXIDE			1W F	
R535		METAL OXIDE		2W F		R650	1-249-405-11				1/4W	F
R536	1-249-389-11			1/4W F		R653	1-249-381-11				1/4W	
11000	1-240-000-11	OARBON	41 070	11777		R654	1-216-385-11	METAL OXIDE	0 47	5%	3W F	
R539	1-215-459-00			1/4W		R655	1-249-417-11	CARRON	1K	5%	1/4W	F
R543	1-249-419-11			1/4W		R656	1-249-381-11				1/4W	r
R546	1-249-431-11	CARBON		1/4W		R657	1-249-417-11				1/4W	
R547	1-247-883-00	CARBON		1/4W		R658	1-249-389-11				1/4W	Е
R554	1-216-371-00	METAL OXIDE	15 5%	2W F		R659	1-247-883-00				1/4W	1
R556	1-249-411-11	CARBON	330 5%	1/4W								
R557	1-249-415-11			1/4W F		R660	1-247-863-91				1/4W	
R561	1-249-429-11			1/4W		R661	1-249-406-11				1/4W	
R562	1-215-437-00			1/4W		R662	1-249-393-11				1/4W	_
R563	1-249-429-11			1/4W		R663	1-247-737-11				1/2W	
			201/ 54/			R689	1-213-001-00	METAL OXIDE	47	3%	IVV	(KV-32V16)
R564	1-247-863-91			1/4W		R690	1-249-423-11	CARBON	3 3K	5%	1/4W	
R566	1-249-435-11			1/4W		R691	1-249-423-11				1/4W	
R580	1-249-411-11			1/4W	500000000000000000000000000000000000000	R693	1-216-371-00	METAL OXIDE	15	5%	2W F	
	1-202-723-91	SOLID	4 EV 50/	11244		R699	1-216-492-11	METAL OXIDE			3W F	
R603	1-249-419-11	CARBON	15K 5%	1/4W		R2209	1-249-427-11				1/4W	
R605	1-247-893-11			1/4W		R2210	1-249-435-11	CARRON	33K	5%	1/4W	
R606	1-247-893-11			1/4W		R2211	1-249-427-11				1/4W	
***************************************	1-202-933-61		~~~	1/2W F		R2212	1-249-435-11				1/4W	
R608		METAL OXIDE		1W F		R2215	1-249-425-11				1/4W	
R609	1-216-349-00	METAL OXIDE	1 5%	1W F		R2216	1-249-437-11				1/4W	
R610	1-216-369-00	METAL OXIDE	1 5%	2W F		D2247	1 240 425 44	CARRON	22V	E0/	1/////	
						R2217 R2218	1-249-435-11 1-249-441-11				1/4W 1/4W	
R611		METAL OXIDE		3W F		R2210	1-249-413-11				1/4W	
R613		METAL OXIDE		2W F		R2219	1-249-430-11				1/4W	
R614		METAL OXIDE		2W F		R2221	1-249-430-11				1/4W	
R615	1-249-421-11			1/4W		.,	. 2.5 150 11					
R616	1-249-417-11	CARBON	1K 5%	1/4W		R2222	1-249-398-11	CARBON			1/4W	
R617	1-249-377-11	CARRON	0 47 5%	1/4W F		R2223	1-249-418-11				1/4W	
				1/4VV F 1/4W F		R2224	1-249-418-11	CARBON	1 2K	5%	1/4W	
R618	1-249-377-11					R2225	1-249-398-11	CARBON	27	5%	1/4W	
R619	1-249-377-11			1/4W F		R2226	1-249-385-11				1/4W	F
R621	1-249-377-11			1/4W F								
R622	1-249-377-11	CARBON	0 47 5%	1/4W F		R2227	1-249-385-11				1/4W	F
R623	1-249-377-11	CARBON	0 47 5%	1/4W F		R2228	1-249-421-11				1/4W	
R624	1-249-377-11			1/4W F		R2229	1-249-421-11	CARBON	2 2K	5%	1/4W	
11027	270-011-11	OTHER DOIS	J 77 J /0	D-TAA								

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REF. NO	PART NO	DESCRIPTION		REMARK	REF. NO	PART NO	DESCRIPTION			REMARK
		<relay></relay>			D1004	1-810-039-31	LED UNIT			
RY601 /Å RY602	1-51 5-516-00 1-515-516-00				IC1001	8-741-818-51	<ic></ic>	TCHER SB	X1818-51	
		<switch></switch>					, MOV			
S501 S502		SWITCH, LEVER SWITCH, LEVER			J1001	1-695-585-11	<pre><jack> JACK BLOCK, PIN</jack></pre>	(LTYPE) 3P		
-		,			į					
		<transformer></transformer>						_		
T502 <u>众</u> T503 <u>众</u>	1-437-195-21 1-424-545-22 1-423-593-11	TRANSFORMER AS TRANSFORMER HO TRANSFORMER FE TRANSFORMER LII TRANSFORMER LII	ERRITE (PMT) NE FILTER (LFT)))	JR1090 JR1092		CONDUCTOR, CHI CONDUCTOR, CHI	Р	(2012) (2012)	
		TRANSFORMER, CO					<transistor></transistor>			
T604 ⚠ T605		TRANSFORMER, CO			Q1001 Q1002 Q1003	8-729-422-27	TRANSISTOR TRANSISTOR TRANSISTOR	2SD601A-0 2SD601A-0		
		<thermistor></thermistor>						(KV-32S12	/32S16/32V16)	
THP601 &	1-809-539-11	THERMISTOR, POS	HTIVE				<resistor></resistor>			
VDR601 VDR602 VDR603	1-807-288-11 1-810-053-11 1-810-053-11	VARISTOR			R1001 R1002 R1003 R1004 R1005	1-249-425-11 1-216-113-00	CARBON METAL GLAZE	75 4 7K 470K 4 7K 470K 10K	5% 1/4W 5% 1/4W 5% 1/10W 5% 1/4W 5% 1/10W	
********	* A-1372-020-A		ETE (KV-32TW67/32TW68	**************************************	R1008 R1009 R1010 R1011	1-216-025-91 1-216-065-00 1-216-055-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	100 4 7K 1 8K 100	5% 1/10W 5% 1/10W 5% 1/10W 5% 1/10W	
	* A-1371-994-A	H BOARD, COMPLI	ETE (KV-32S12/32S16)		R1012 R1013		METAL GLAZE METAL GLAZE	1K 220	5% 1/10W 5% 1/10W	
	* A-1371-998-A	H BOARD, COMPLE	ETE (KV-32V16)		R1014 R1015 R1016	1-216-033-00	METAL GLAZE METAL GLAZE METAL GLAZE	820 220 220	(KV-32TW 5% 1/10W 5% 1/10W 5% 1/10W	(KV-32V16)
C1001 C1002 C1003 C1004 C1010	1-124-248-00 1-126-160-11 1-126-160-11 1-124-584-00 1-124-465-00	ELECT ELECT ELECT	22MF 20% 25V 1MF 20% 50V 1MF 20% 50V 100MF 20% 10V 0 47MF 20% 50V	(KV-32V16)	R1017 R1018 R1019 R1021	1-216-089-00 1-216-025-91	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE <switch></switch>	220K 47K 100 680	5% 1/10W 5% 1/10W 5% 1/10W 5% 1/10W (KV-32S12/3	(KV-32V16) (KV-32V16)
CN155	1-564-524-11	<connector> PLUG, CONNECTO PLUG, CONNECTO PLUG, CONNECTO</connector>		68/32V16)	\$1001 \$1002 \$1003 \$1004 \$1005	1-571-532-21 1-571-532-21 1-571-532-21	SWITCH, TACTIL SWITCH, TACTIL SWITCH, TACTIL SWITCH, TACTIL SWITCH, TACTIL			
		<diode></diode>			S1006 S1007 A		SWITCH, TACTIL SWITCH, TACTIL			



REF. NO	PART NO	DESCRIPTION		REMARK	REF. NO	PART NO	DESCRIPTION			REMARK
					D920	8-719-404-46	DIODE MA110			
****	***********	*************	*****************	****			<jack></jack>			
	* A-1390-410-A	L BOARD, COMPLETE	(KV-32V16)		J901 J902	1-764-873-11 1-764-874-11				
		<capacitor></capacitor>					<chip conducto<="" td=""><td>OR></td><td></td><td></td></chip>	OR>		
C1902	1-164-004-11	CERAMICCHIP 0 18	/IF 10% 25V		JR901 JR902 JR903	1-216-295-91	CONDUCTOR, CH CONDUCTOR, CH CONDUCTOR, CH	IP	(2012) (2012) (2012)	
		<connector></connector>			JR907		CONDUCTOR, CH		(2012)	
CN1903	* 1-564-518-11	PLUG, CONNECTOR 3	9				<transistor></transistor>			
		<ic></ic>			Q901 Q902	8-729-216-22	TRANSISTOR TRANSISTOR TRANSISTOR	2SD601A-0 2SA1162-0	3	
IC1903	8-759-189-86	IC IS455J			Q903 Q904 Q905	8-729-422-27	TRANSISTOR TRANSISTOR	2SA1162-0 2SD601A-0 2SD601A-0	Q	
B4004	4 340 400 00	<resistor></resistor>			Q906 Q907	8-729-216-22	TRANSISTOR TRANSISTOR	2SD601A-0 2SA1162-0	3	
R1901 R1902		METAL GLAZE 3 3 METAL GLAZE 100			Q908 Q909 Q910	8-729-216-22	TRANSISTOR TRANSISTOR TRANSISTOR	2SA1162-0 2SA1162-0 2SD601A-0	}	
*******	********	*******	*********	*******	Q911 Q912		TRANSISTOR TRANSISTOR	2SB733-34 2SA1162-0		
	* A-1390-411-A	Z BOARD, COMPLETE	(KV-32V16)				<resistor></resistor>			
		<capacitor></capacitor>			R901 R902		METAL GLAZE	100 220	5% 1/4WF 5% 1/10W	
C901 C902	1-124-903-11 1-124-903-11	ELECT 1MF	20% 50V		R903 R904 R905	1-216-105-91	METAL GLAZE METAL GLAZE METAL GLAZE	10K 220K 220K	5% 1/10W 5% 1/10W 5% 1/10W	
C933 C934	1-126-964-11 1-126-964-11				R906 R907	1-216-089-00	METAL GLAZE METAL GLAZE	47K 47K	5% 1/10W 5% 1/10W	
		<connector></connector>			R908 R909	1-216-065-00	METAL GLAZE METAL GLAZE	15 4 7K	5% 1/10W 5% 1/10W	
CN901 CN905		PLUG, CONNECTOR 50 PLUG, CONNECTOR 20			R910 R911		METAL GLAZE METAL GLAZE	100K 220K	5% 1/10W 5% 1/10W	
					R912 R913	1-216-101-00	METAL GLAZE METAL GLAZE	2 2K 150K	5% 1/10W 5% 1/10W	
		<diode></diode>			R914 R915		METAL GLAZE METAL GLAZE	47K 47K	5% 1/10W 5% 1/10W	
D901 D902 D903	8-719-404-46	DIODE RD9 1ESL DIODE MA110 DIODE MA110			R916 R917		METAL GLAZE METAL GLAZE	4 7K 100K	5% 1/10W 5% 1/10W	
D904 D905	8-719-109-93	DIODE RD6 2ESB2 DIODE RD3 3ESB2			R918 R919	1-216-105-91 1-216-057-00	METAL GLAZE METAL GLAZE	220K 2 2K	5% 1/10W 5% 1/10W	
D906 D907		DIODE RD9 1ESL DIODE MA110			R921 R922		METAL GLAZE METAL GLAZE	47K 10K	5% 1/10W 5% 1/10W	
D908	8-719-404-46	DIODE MA110			R923	1-216-065-00	METAL GLAZE	47K	5% 1/10W	
D909 D910		DIODE MA110 DIODE MA110			R924 R925	1-216-041-00	METAL GLAZE METAL GLAZE	10K 470	5% 1/10W 5% 1/10W	
D911 D912		DIODE MA110 DIODE MA110			R926 R927		METAL GLAZE METAL GLAZE	100 100K	5% 1/10W 5% 1/10W	

Z UA (KV-32TW67/32TW68) (KV-32S12/V16)

											-32S12/V1	6)
REF. NO	PART NO.	DESCRIPTION				REMARK	REF. NO	PART NO	DESC	CRIPTION		REMARK
D.000	4 040 007 00	METAL OLD 75	4001/		4/40/44		011110	4 570 000 04			D04DD 40D	
R928 R929	1-216-097-00 1-249-405-11	METAL GLAZE	100K 100		1/10W 1/4W F		CN146	1-5/3-300-21	CON	NECTOR, BOARD TO		TW67/32TW68)
R935		METAL GLAZE	10K		1/10W		CN147	1-750-395-11	SOCI	KET, CONNECTOR 3:		1 44077321 4400)
R936		METAL GLAZE	47K		1/10W		CN148			G CONNECTOR 2P		
							CN149			CONNECTOR 4P (I	(V-32V16)	
										,	,	
44444444					*******	******						
*********		*********************	******	*****		*****			<dio< td=""><td>DE></td><td></td><td></td></dio<>	DE>		
							D401	8.71Q.11Q.17	חטוח	E RD10ESB2		
	* A-1394-415-A	UA BOARD, COM	IPLETE (K\	/-32TW	67/32TW6	8)	D402			E RD10ESB2		
		*******				,	D403			E RD10ESB2		
	* A-1394-529-A	UA BOARD, COM		-32V16)		D404			E RD10ESB2		
	* A 4004 070 A			22042			D405	8-719-110-17	DIOD	E RD10ESB2		
	" A-1394-676-A	UA BOARD, COM		-32512)		D408	9 710 110 17	חטות	E RD10ESB2		
							D408			E RD10ESB2 (KV-32)	S12/32V16V	
							D410			E RD10ESB2	01202110)	
		<capacitor></capacitor>					D411			E RD10ESB2		
							D429	8-719-110-17	DIOD	E RD10ESB2		
C401		CERAMICCHIP	0 01MF	000	50V		D./22	0.740.440.1=	D. 0-	E BD 405055		
C402 C405	1-128-551-11		22MF		25V 25V		D430			E RD10ESB2		
C405	1-128-551-11 1-124-903-11		22MF 1MF		20V 50V		D431 D436			E RD10ESB2 E RD10ESB2		
C407	1-124-903-11		1MF		50V		D430			E RD10ESB2		
0 101	1 121 000 11	LLLO!		2.070			5 101	071011011	DIOD	L ND IOLODZ		
C408	1-128-551-11	ELECT	22MF		25V							
C409	1-124-903-11		1MF		50V				<ic></ic>			
C410	1-124-903-11		1MF		50V		10.400	0.750.007.00		VÅ454540		
C412 C413	1-128-551-11 1-126-964-11		22MF 10MF		25V 50V		IC402	8-752-067-28	IC C	XA1545AS		
0413	1-120-304-11	LLLOI	TOWN	2070	304		1					
C414	1-109-889-11	ELECT	1MF	20%	50V		İ		<jac< td=""><td>K></td><td></td><td></td></jac<>	K>		
C415	1-109-889-11		1MF		50V							
C416	1-126-964-11		10MF		50V		J401			MINAL BLOCK,S 3P		
C417 C418	1-124-902-00 1-124-902-00		0 47MF 0 47MF		50V 50V		J402 J404			(BLOCK, PIN 3P (BLOCK, PIN 2P		
0410	1-124-902-00	ELECT	04/1916	2076	JUV		J404	1-750-510-11	JACK	BLOCK, PIN 2P		
C420	1-163-031-11	CERAMICCHIP	0 01MF		50V							
C430	1-109-889-11		1MF	20%	50V	(KV-32V16)			<chi< td=""><td>P CONDUCTOR></td><td></td><td></td></chi<>	P CONDUCTOR>		
C431	1-109-889-11		1MF			(KV-32V16)	l					
C432	1-128-551-11		22MF			(KV-32V16)	JR402			DUCTOR, CHIP	(2012)	00040/00/40
C433	1-104-663-11	ELECT	33MF	20%	25V		JR405 JR408			DUCTOR, CHIP DUCTOR, CHIP	(2012) (KV (2012)	-32S12/32V16)
C434	1-163-117-00	CERAMICCHIP	100PF	5%	50V		JR410			DUCTOR, CHIP	(2012)	
C440	1-126-964-11		10MF		50V		JR411			DUCTOR, CHIP	(2012)	
				(KV-32TW	67/32TW68)	1			,	` ,	
C441	1-126-967-11		47MF		16V		JR412			DUCTOR, CHIP	(2012)	
C442	1-163-117-00	CERAMICCHIP	100PF		50V	07/00714/00	JR415			DUCTOR, CHIP	(2012)	
C462	1-126-933-11	ELECT	100MF		/16/321 vv t 16V	67/32TW68)	JR416 JR418			DUCTOR, CHIP DUCTOR, CHIP	(2012)	
0402	1-120-933-11	ELECT	TOUNT	20 /0	104		JR419			DUCTOR, CHIP	(2012) (2012)	
C470	1-126-967-11	ELECT	47MF	20%	16V		"""	1 210 200 01	0011	booton, om	(2012)	
C471	1-128-551-11		22MF		25V		JR422			DUCTOR, CHIP	(2012)	
							JR428			DUCTOR, CHIP	(2012)	
		ELLTED DI COM					JR429			DUCTOR, CHIP	(2012)	
		<filter block=""></filter>					JR430 JR431			DUCTOR, CHIP DUCTOR, CHIP	(2012) (2012)	
CM401	1-467-554-21	FILTER BLOCK, C	OMB (KV-3	2S12/3	2V16)		JK431	1-210-230-31	CON	DUCTOR, CHIP	(2012)	
CM402		FILTER BLOCK, C					JR434	1-216-295-91	CONI	DUCTOR, CHIP	(2012)	
			. (,		JR498			DUCTOR, CHIP	(2012)	
							JR499	1-216-295-91	CON	DUCTOR, CHIP	(2012)	
		<connector></connector>					JR901	1-216-295-91	CON	DUCTOR, CHIP	(2012)	
CN14.44	* 4 564 500 44	DUIG CONNECT	OD ED								(KV-32	TW67/32TW68)
CN141 CN142		PLUG, CONNECT PLUG, CONNECT		132912	/32\/16\							
CN142		SOCKET, CONNE			10)							
CN144		PLUG, CONNECT)							
		•	,				I					

UA (KV-32TW67/32TW68) C



	V-020 12/					1					
REF. NO	<u>PART NO.</u>	DESCRIPTION			REMARK	REF. NO	PART NO.	DESCRIPTION			REMARK
		<coil></coil>				R458	1_216_033_00	METAL GLAZE	220	5% 1/10W	
		NOOIL?				R459		METAL GLAZE	22K		(KV-32V16)
L401	1 410 472 11	INDUCTOR 18UH				R460		METAL GLAZE	330	5% 1/10W	
				CIOOTINICTIOOTINIC	٥١	K400	1-210-037-00	WEIAL GLAZE	330	376 1/10VV	(N V-32V 10)
L403		INDUCTOR 33UH				D 404	4 040 005 00	METAL OLAZE	4 771/	E0/ 4/40\A/	(((),00(,40)
L404	1-410-669-31	INDUCTOR 33UH	(KV-32V1	6/321446//3214460	3)	R461		METAL GLAZE	4 7K		(KV-32V16)
						R462		METAL GLAZE	4 7K		(KV-32V16)
						R463		METAL GLAZE	680		(KV-32V16)
		<transistor></transistor>				R464	1-216-045-00	METAL GLAZE	680	5% 1/10W	(KV-32V16)
						R475	1-216-049-91	METAL GLAZE	1K	5% 1/10W	
Q401	8-729-422-27	TRANSISTOR	2SD601	A-Q						(KV-32TV	/67/32TW68)
Q405	8-729-216-22	TRANSISTOR	2SA116	2-G							
Q406	8-729-216-22	TRANSISTOR	2SA116	2-G		R476	1-216-081-00	METAL GLAZE	22K	5% 1/10W	(KV-32V16)
Q410		TRANSISTOR	2SD601	A-Q (KV-32V16)		R478	1-216-041-00	METAL GLAZE	470	5% 1/10W	(*
Q414		TRANSISTOR		A-Q (KV-32TW67/3	2TW68)				(K	V-32V16/32TV	/67/32TW68)
٠	0 / LU LL L	714 1110101011			,	R479	1-216-081-00	METAL GLAZE	22K	5% 1/10W	
Q415	8.720.422.27	TRANSISTOR	28/0601	A-Q (KV-32V16)		R480		METAL GLAZE	22K	5% 1/10W	
Q416		TRANSISTOR		2-G (KV-32V16)		R481		METAL GLAZE	22K	5% 1/10W	
Q417		TRANSISTOR		2-G (KV-32V16)		10701	1-210-001-00	MICIAL OUNZE	44.11	370 171011	(114-02410)
Q417 Q418		TRANSISTOR		2-G (KV-32V16)		R482	1-249-417-11	CARRON	1K	5% 1/4W	
Q410	0-123-210-22	TRANSISTOR	20A 110.	2-0 (10-32410)			1-249-417-11			5% 1/4W	
						R483			1K		(((),00(,40)
						R488		METAL GLAZE	22K	5% 1/10W	
		<resistor></resistor>				R489		METAL GLAZE	22K	5% 1/10W	(KV-32V16)
						R490	1-216-295-91	CONDUCTOR, CHI	P	(2012)	
R401	1-247-804-11	CARBON	75	5% 1/4W		1					
R402	1-216-113-00	METAL GLAZE	470K	5% 1/10W		R491	1-216-295-91	CONDUCTOR, CHI	P	(2012)	
R403	1-216-113-00	METAL GLAZE	470K	5% 1/10W		R492		CONDUCTOR, CHI		(2012)	
R404	1-247-804-11		75	5% 1/4W		R1438		METAL GLAZE	22K	5% 1/10W	
R405		METAL GLAZE	470K	5% 1/10W		111750	1 210 001 00	MEINE ODIZE		V-32V16/32TV	/67/32T\M68\
11403	1-210-113-00	WIETAL GLAZE	47010	370 171044					(1)	V-32V 10/321V	1011321 1100)
D.406	1 346 443 00	METAL CLAZE	470K	5% 1/10W							
R406		METAL GLAZE									
R407	1-247-804-11		75	5% 1/4W							
R408		METAL GLAZE	470K	5% 1/10W		*********	***************************************		************		
R409		METAL GLAZE	470K	5% 1/10W							
R410	1-249-425-11	CARBON	4 7K	5% 1/4W							
							* A-1331-351-A	C BOARD, COMPL	LETE		
R411	1-249-425-11	CARBON	47K	5% 1/4W				***********	****		
R412	1-249-425-11		47K	5% 1/4W							
R413	1-249-425-11		47K	5% 1/4W							
R414	1-247-804-11		75	5% 1/4W				<capacitor></capacitor>			
R415	1-249-425-11		47K	5% 1/4W				VOAI AOITOIV			
K413	1-243-423-11	CARBON	4 (1)	J/0 1/4¥¥		C700	1-102-074-00	CEDAMIC	0 001MF	10% 50V	
D440	4 040 047 44	METAL CHID	con	0.50/ 4/40/4/		C700			0 0047MF		
R416	1-216-647-11		680	0 5% 1/10W			1-162-114-00				
R417	1-216-645-11	METAL CHIP	560	0 5% 1/10W		C702	1-106-375-12		0 022MF		
R421		METAL GLAZE	4 7K	5% 1/10W		C703	1-106-375-12		0 022MF	99% 200V	
R425		METAL GLAZE	4 7K	5% 1/10W		C705	1-107-651-11	ELECT	4 7MF	20% 250V	
R431	1-216-049-91	METAL GLAZE	1K	5% 1/10W							
						C706	1-126-933-11	ELECT	100MF	20% 16V	
R432	1-216-295-91	CONDUCTOR, CH	IP	(2012)		C707	1-102-129-00	CERAMIC	0 01MF	10% 50V	
R434		METAL GLAZÉ	1K	5% 1/10W		C711	1-164-083-11	CERAMIC	680PF	10% 50V	
R435		CONDUCTOR, CHI		(2012)		C712	1-164-081-11		470PF	10% 50V	
R439		METAL GLAZE	1K	5% 1/10W		C731	1-164-083-11		680PF	10% 50V	
R441		METAL GLAZE	1K	5% 1/10W		0/3/	1-10-1-003-11	OLIVAINIO	00011	1070 304	
K44 I	1-210-049-91	WETAL GLAZE	110	J/6 1/1044		0722	1-164-081-11	CEDAMIC	470PF	10% 50V	
D 440	4 040 005 04	METAL OLAZE	400	E0/ 4/40\A/	1/1/ 00040)	C732					
R442		METAL GLAZE	100	5% 1/10W (C751	1-164-083-11		680PF	10% 50V	
R443		METAL GLAZE	100	5% 1/10W (KV-32S12)	C752	1-164-083-11	CERAMIC	680PF	10% 50V	
R444	1-216-095-00	METAL GLAZE	82K	5% 1/10W		İ					
R445	1-216-073-00	METAL GLAZE	10K	5% 1/10W							
R446	1-216-073-00	METAL GLAZE	10K	5% 1/10W		1		<connector></connector>			
· ·											
R450	1-208-774-11	METAL CHIP	470	0 5% 1/10W		CN701	1-695-915-11	TAB (CONTACT)			
R451		METAL GLAZE	47K	5% 1/10W				PIN, CONNECTOR	(5MM PITC	:H) 6P	
			100		K// 20//46/			PLUG, CONNECTOR		, 01	
R452		METAL GLUB		5% 1/10W (IX V-02 V 10)	ON/US	1-204-208-11	T LOG, CONNECTO	//\ UL		
R453	1-216-645-11		560	0 5% 1/10W		1					
R454	1-216-295-91	CONDUCTOR, CH	IIY	(2012)				DIODE			
								<diode></diode>			
R456	1-216-041-00	METAL GLAZE	470	5% 1/10W							
				(KV-32V16/32TW6	7/32TW68)	D711		DIODE 1SS119-25			
R457	1-216-033-00	METAL GLAZE	220	5% 1/10W	Ť	D712	8-719-911-19	DIODE 1SS119-25	ı		
						I					

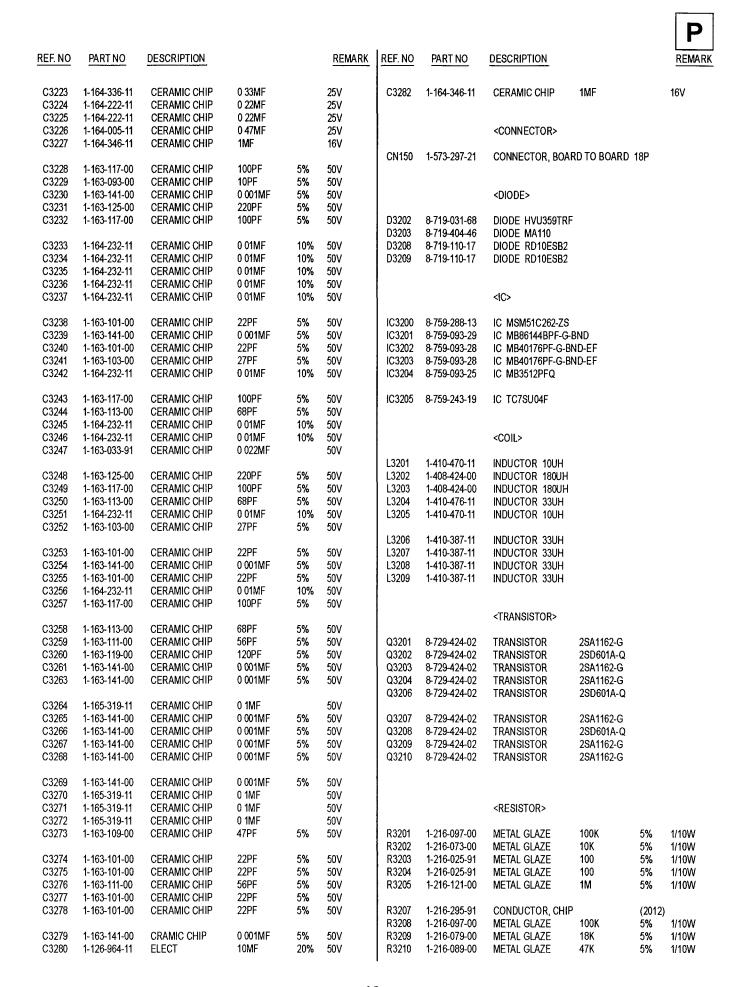
The components identified by shading and mark ⚠ are critical for safety Replace only with part number specified

Les composants identifies par une trame et une marque A sont critiques pour la securite. Ne les remplacer que par une piece portant le numero specifie

for safe Replac specifie	e only with pa	art number	sont critiques les remplace portant le nu	rque	par une pi							C	E
REF. NO	PART NO.	DESCRIPTION			<u>R</u>	REMARK	REF. NO	PART NO	DESCRIPTION				REMARK
D731 D732 D751	8-719-911-19	DIODE 1SS119-25 DIODE 1SS119-25 DIODE 1SS119-25	i				R752 R754 R756 R757	1-215-924-00 1-249-425-11 1-249-411-11 1-249-393-11	CARBON	15K 4 7K 330 10	5% 5%	3W F 1/4W 1/4W 1/4W	
D752 D770 D771 D772 D773	8-719-911-19 8-719-911-19 8-719-911-19	DIODE 1SS119-25 DIODE 1SS119-25 DIODE 1SS119-25 DIODE 1SS119-25	i i				R770 R771 R772 R773	1-247-863-91 1-249-409-11 1-249-409-11 1-249-409-11	CARBON CARBON CARBON	22K 220 220 220	5% 5% 5%	1/4W 1/4W F 1/4W F 1/4W F	
D777 D790 D791 D792	8-719-911-19 8-719-911-19	DIODE RD3 9ESB DIODE 1SS119-25 DIODE 1SS119-25 DIODE 1SS119-25					R774 R775 R776 R790 R791	1-249-437-11 1-249-417-11 1-249-409-11 1-249-413-11 1-249-412-11	CARBON CARBON CARBON	47K 1K 220 470 390	5% 5%	1/4W F 1/4W F 1/4W F 1/4W 1/4W	
		<jack></jack>							<variable resis<="" td=""><td>TOR></td><td></td><td></td><td></td></variable>	TOR>			
J701 <u>A</u>	1-540-071-11	SOCKET, PICTURI	TUBE				RV702	1-230-641-11	RES, ADJ, METAL		М		
		<coil></coil>											
L701	1-410-478-11	INDUCTOR	47UH				********	*********	********	********	****	****	******
		<transistor></transistor>						* A-1341-622-A	E BOARD, COMPL				
Q711 Q712 Q731 Q732 Q751	8-729-119-78 8-729-326-11 8-729-119-78	TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR	2SC2611 2SC2785-HF 2SC2611 2SC2785-HF 2SC2611						PIN,CONNECTOR SCREW (M3X10), I		H) 3P		
Q752		TRANSISTOR	2SC2785-HF	E					<capacitor></capacitor>				
Q770 Q771 Q772 Q773	8-729-119-76 8-729-200-17 8-729-200-17	TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR	2SA1175-HF 2SA1091-O 2SA1091-O 2SA1091-O				C1501 C1502 C1503 C1504 C1505	1-126-941-11 1-137-372-11 1-102-234-00 1-136-165-00 1-126-964-11	FILM CERAMIC FILM	470MF 0 022MF 270PF 0 1MF 10MF	5% 10% 5%	16V 50V 500V 50V 50V	
		<resistor></resistor>					C1507 C1509	1-126-964-11 1-136-165-00		10MF 0 1MF		50V 50V	
R700 R701 R702 R703	1-247-739-11 1-244-941-00 1-249-496-11 1-249-496-11	CARBON CARBON	680K 5	1% 1/ 1% 1/ 1% 1/ 1% 1/	/2W /2W		C1510 C1516 C1519	1-137-370-11 1-136-165-00 1-136-104-00	FILM FILM	0 01MF 0 1MF 0 16MF	5% 5%	50V 50V 200V	
R704 R705 R710 R711			56 5 56 5 33K 5	1% 31 1% 31 1% 1/ 1% 1/	W F W F /2W		C1522 C1523 C1524 C1529 C1530	1-126-942-61 1-136-177-00 1-126-963-11 1-126-964-11 1-126-964-11	FILM ELECT ELECT	1000MF 1MF 4 7MF 10MF 10MF	5% 20% 20%	16V 50V 50V 50V 50V	
R712 R714	1-215-924-00 1-249-425-11	METAL OXIDE CARBON	15K 5	% 3\ % 1/	W F		C1532 C1533	1-126-963-11 1-126-233-11	ELECT	4 7MF 22MF	20%	50V 25V	
R716 R717 R718 R730 R731	1-249-417-11 1-249-393-11 1-249-413-11 1-247-758-11 1-247-807-31	CARBON CARBON CARBON	10 5 470 5 3 3 K 5	% 1/ % 1/ % 1/ % 1/ % 1/	14W 14W 12W	į	C1542 C1550	1-104-664-11 1-136-756-11	ELECT	47MF 0 24MF	20%	16V 200V	
R732 R734 R736 R737	1-215-924-00 1-249-425-11 1-249-411-11 1-249-393-11	METAL OXIDE CARBON CARBON CARBON	15K 5 4 7K 5 330 5 10 5	% 3\ % 1/ % 1/ % 1/	W F /4W /4W /4W	,	CN122 CN123		CONNECTOR, BOA				
R750 R751	1-247-758-11			% 1/ % 1/		i	D4504	Q 740 044 40	<diode 199110="" 26<="" td=""><td></td><td></td><td></td><td></td></diode>				
1017	1-247-807-31	OARDUN	100 5	% 1/	14 4V		D1501	0-119-911-19	DIODE 1SS119-25				



REF. NO	PART NO.	DESCRIPTION				REMARK	REF. NO	PART NO	DESCRIPTION				REMARK
D1502 D1503 D1504 D1505	8-719-980-78 8-719-302-43	THYRISTOR SHOR DIODE ERA83-006 DIODE EL1Z DIODE 1SS119-25	}				R1522 R1527 R1528 R1529	1-249-417-11 1-249-417-11 1-249-438-11 1-249-434-11	CARBON CARBON	1K 1K 56K 27K	5% 5%	1/4W 1/4WF 1/4W 1/4W	
D1506 D1507 D1508 D1509 D1510	8-719-911-19 8-719-110-17 8-719-110-17	DIODE 1SS119-25 DIODE 1SS119-25 DIODE RD10ESB2 DIODE RD10ESB2 DIODE 1SS119-25	<u>!</u>				R1530 R1533 R1534 R1535 R1536	1-249-432-11 1-249-427-11 1-249-424-11 1-249-425-11 1-215-857-11	CARBON CARBON	18K 6 8K 3 9K 4 7K 10	5% 5% 5%	1/4W 1/4W 1/4W 1/4W 1W F	
D1513 D1515 D1516 D1517	8-719-911-19 8-719-987-87	DIODE EL1Z DIODE 1SS119-25 DIODE ERA85-009 DIODE 1SS119-25)				R1537 R1538 R1541 R1543 R1546	1-249-441-11 1-249-414-11	METAL OXIDE CARBON	82 6 8 100K 560 68	5% 5% 5%	1/4W 2W F 1/4W 1/4W 2W F	
		C					R1552 R1554	1-249-426-11 1-249-393-11		5 6K 10		1/4W 1/4W	
IC1501 IC1502 IC1504	8-759-701-59	IC CXA1526P IC NJM78M09FA IC UPC358C					R1556 R1559 R1564	1-249-438-11 1-249-429-11 1-249-435-11	CARBON CARBON	56K 10K 33K	5% 5%	1/4W 1/4W 1/4W	
		<coil></coil>					R1568 R1569	1-247-891-00 1-249-413-11	CARBON	330K 470	5%	1/4W 1/4W	
L1502 L1504		COIL (WITH CORE					R1578 R1582 R1583	1-249-423-11 1-249-411-11 1-249-421-11	CARBON	3 3K 330 2 2K	5%	1/4W 1/4W 1/4W	
		<transistor></transistor>					R1585 R1586	1-249-441-11 1-247-891-00		100K 330K		1/4W 1/4W	
Q1501 Q1502 Q1503 Q1506 Q1507	8-729-140-96 8-729-119-76 8-729-119-78	TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR	2SC2785-1 2SD774-3- 2SA1175-1 2SC2785-1 2SC2785-1	4 HFE HFE			******	*********	*******	******	****	****	*****
Q1508		TRANSISTOR	2SB733-3					* A-1195-062-A	P BOARD, COM				
Q1509 Q1511 Q1514	8-729-140-93 8-729-119-76 8-729-019-01	TRANSISTOR TRANSISTOR TRANSISTOR	2SB733-3- 2SA1175-1 2SD2394-	I HFE EF						(KV-32S1	6/32V	16/32TV	V67/32TW68)
Q1519		TRANSISTOR	2SC2785-I						<capacitor></capacitor>	47845		2001	4014
Q1520	8-729-119-78	TRANSISTOR <resistor></resistor>	2SC2785-I	H-E			C3201 C3203 C3204 C3205	1-104-664-11 1-164-004-11 1-126-964-11 1-126-964-11	ELECT CERAMIC CHIP ELECT ELECT	47MF 0 1MF 10MF 10MF		20% 10% 20% 20%	16V 25V 50V 50V
R1501	1-247-815-91		220	5%	1/4W		C3206	1-126-964-11	ELECT	10MF		20%	50V
R1502 R1503	1-247-815-91 1-249-435-11		220 33K	5% 5%	1/4W 1/4W		C3207 C3208	1-163-117-00 1-163-117-00	CERAMIC CHIP	100PF 100PF		5% 5%	50V 50V
R1504	1-249-429-11		10K	5%			C3209	1-126-962-11	ELECT	3 3MF		20%	50V
R1505	1-249-421-11	CARBON	2 2K	5%	1/4W		C3210 C3212	1-104-664-11 1-126-962-11	ELECT ELECT	47MF 3 3MF		20% 20%	16V 50V
R1506	1-249-423-11		3 3K		1/4W								
R1507	1-249-410-11		270 47k	5% 5%	1/4W		C3213	1-164-346-11	CERAMIC CHIP	1MF 1MF			16V 16V
R1508 R1509	1-249-437-11 1-249-429-11		47K 10K		1/4W 1/4W		C3214 C3215	1-164-346-11 1-164-346-11	CERAMIC CHIP	1MF			16V 16V
R1510	1-215-461-00		47K	1%	1/4W		C3216 C3217	1-164-005-11 1-164-346-11	CERAMIC CHIP CERAMIC CHIP	0 47MF 1MF			25V 16V
R1511	1-216-379-11	METAL OXIDE	68	5%	2W F		302.11			*****			
R1513	1-249-423-11	CARBON	3 3K	5%	1/4W		C3218	1-164-346-11	CERAMIC CHIP	1MF			16V
R1514	1-247-885-00		180K		1/4W		C3219	1-126-941-11	ELECT	470MF		20%	16V
R1515 R1519	1-215-905-11	METAL OXIDE	10	5%	3W F		C3220	1-164-346-11	CERAMIC CHIP	1MF 1MF			16V
111010	1-249-417-11	CARBON	1K	5%	1/4W		C3221 C3222	1-164-346-11 1-164-336-11	CERAMIC CHIP	0.33MF			16V 25V



P UA (KV-32S16 (US))

	UA (KV	-32310 (03)	'								
REF. NO	PART NO.	DESCRIPTION			REMARK	REF. NO	PART NO.	DESCRIPTION			REMARK
R3211	1-216-073-00	METAL GLAZE	10K	5%	1/10W	R3273 R3274	1-216-073-00 1-216-049-91	METAL GLAZE METAL GLAZE	10K 1K	5% 5%	1/10W 1/10W
R3212	1-216-073-00	METAL GLAZE	10K	5%	1/10W	R3275	1-216-049-91	METAL GLAZE	1K	5%	1/10W
R3213	1-216-075-00	METAL GLAZE	12K	5%	1/10W	R3276	1-216-049-91	METAL GLAZE	1K	5%	1/10W
R3214	1-216-121-00	METAL GLAZE	1M	5%	1/10W	R3277	1-216-298-00	METAL GLAZE	22	5%	1/10W
R3215	1-216-057-00	METAL GLAZE	2 2K	5%	1/10W	K3Z11	1-210-230-00	WIE TAL GLAZE	2 2	J /6	1/1044
R3216	1-216-057-00	METAL GLAZE	2 2K	5%	1/10W			<crystal></crystal>			
R3217	1-216-057-00	METAL GLAZE	2 2K	5%	1/10W						
R3218	1-216-049-91	METAL GLAZE	1K	5%	1/10W	X3201	1-567-878-11	VIBRATOR, CRYSTA	۱L		
R3219	1-216-049-91	METAL GLAZE	1K	5%	1/10W	X3202	1-567-878-11	VIBRATOR, CRYSTA	۱L		
R3220	1-216-049-91	METAL GLAZE	1K	5%	1/10W						
R3221	1-216-655-11	METAL CHIP	1 5K	0 50%	1/10W						
R3222	1-216-655-11	METAL CHIP	1 5K		1/10W	******	*******	*********	*********	****	******
R3223	1-216-025-91	METAL GLAZE	100	5%	1/10W						
R3224	1-216-049-91	METAL GLAZE	1K	5%	1/10W	1					
R3225	1-216-025-91	METAL GLAZE	100	5%	1/10W		* A-1394-527-A	ua Board, compi		SUSMO	DDEL)
R3226	1-216-085-00	METAL GLAZE	33K	5%	1/10W			*********	***		
R3227	1-216-647-11	METAL CHIP	680		1/10W			OA DA OITO D			
R3228	1-216-045-00	METAL GLAZE	680	5%	1/10W			<capacitor></capacitor>			
R3229	1-216-073-00	METAL GLAZE	10K	5%	1/10W	İ					
R3230	1-216-073-00	METAL GLAZE	10K	5%	1/10W	C401	1-163-031-11	CERAMIC CHIP	0 01MF		50V
R3231	1-216-001-00	METAL GLAZE	10	5%	1/10W	C402	1-128-551-11	ELECT	22MF	20%	25V
						C405	1-128-551-11	ELECT	22MF	20%	25V
R3232	1-216-083-00	METAL GLAZE	27K	5%	1/10W	C406	1-124-903-11	ELECT	1MF	20%	50V
R3233	1-216-049-91	METAL GLAZE	1K	5%	1/10W	C407	1-124-903-11	ELECT	1MF	20%	50V
R3234	1-216-651-11	METAL CHIP	1K	0 50%	1/10W						
R3235	1-216-043-91	METAL GLAZE	560	5%	1/10W	C408	1-128-551-11	ELECT	22MF	20%	25V
R3236	1-216-065-00	METAL GLAZE	4 7K	5%	1/10W	C409	1-124-903-11	ELECT	1MF	20%	50V
						C410	1-124-903-11	ELECT	1MF	20%	50V
R3237	1-216-043-91	METAL GLAZE	560	5%	1/10W	C412	1-128-551-11	ELECT	22MF	20%	25V
R3238	1-216-049-91	METAL GLAZE	1K	5%	1/10W	C413	1-126-964-11	ELECT	10MF	20%	50V
R3239	1-216-043-91	METAL GLAZE	560	5%	1/10W	••	1 120 007 11	LLLO!	101111	2070	
R3241	1-216-057-00	METAL GLAZE	2 2K	5%	1/10W	C414	1-109-889-11	ELECT	1MF	20%	50V
R3242	1-216-049-91	METAL GLAZE	1K	5%	1/10W	C415	1-109-889-11	ELECT	1MF	20%	50V
110242	1-210-040-01	WILLIAL OLAZE	115	370	171011	C416	1-126-964-11	ELECT	10MF	20%	50V
R3243	1-216-025-91	METAL GLAZE	100	5%	1/10W	C417	1-124-902-00	ELECT	0 47MF	20%	50V
R3244	1-216-025-91	METAL GLAZE	100	5%	1/10W	C418	1-124-902-00	ELECT	0.47MF	20%	50V
R3245	1-216-025-91	METAL GLAZE	100	5%	1/10W	0410	1-124-302-00	LLLOI	0 47 1911	2076	30 V
R3246	1-216-069-00	METAL GLAZE	6 8K	5%	1/10W	C420	1-163-031-11	CERAMIC CHIP	0 01MF		50V
	1-216-063-00				1/10W	C420	1-103-031-11			200/	
R3247	1-210-003-00	METAL GLAZE	3 9K	5%	17 1044	C433		ELECT CHIP	33MF	20%	25V
D2240	4 040 005 04	COMPLICATOR OUR		(2042)		C434	1-163-117-00	CERAMIC CHIP	100PF	5%	50V
R3248	1-216-295-91	CONDUCTOR, CHIP	2.01((2012)	4140141	C441	1-126-967-11	ELECT	47MF	20%	16V
R3249	1-216-057-00	METAL GLAZE	2 2K	5%	1/10W	C442	1-163-117-00	CERAMIC CHIP	100PF	5%	50V
R3250	1-216-043-91	METAL GLAZE	560	5%	1/10W	0.400	4 400 000 44	FLEOT	400145	000/	4017
R3251	1-216-049-91	METAL GLAZE	1K	5%	1/10W	C462	1-126-933-11	ELECT	100MF	20%	16V
R3252	1-216-043-91	METAL GLAZE	560	5%	1/10W	C470	1-126-967-11	ELECT	47MF	20%	16V
			4 714			C471	1-128-551-11	ELECT	22MF	20%	25V
R3253	1-216-065-00	METAL GLAZE	4 7K	5%	1/10W						
R3254	1-216-043-91	METAL GLAZE	560	5%	1/10W						
R3255	1-216-041-00	METAL GLAZE	470	5%	1/10W			<filter block=""></filter>			
R3256	1-216-043-91	METAL GLAZE	560	5%	1/10W						
R3259	1-216-298-00	METAL GLAZE	22	5%	1/10W	CM401	1-467-554-21	FILTER BLOCK, COI	MB		
R3260	1-216-073-00	METAL GLAZE	10K	5%	1/10W						
R3263	1-216-025-91	METAL GLAZE	100	5%	1/10W			<connector></connector>			
R3264	1-216-025-91	METAL GLAZE	100	5%	1/10W						
R3265	1-216-049-91	METAL GLAZE	1K	5%	1/10W	CN141	* 1-564-520-11	PLUG, CONNECTOR	R 5P		
R3266	1-216-057-00	METAL GLAZE	2 2K	5%	1/10W	CN142	1-564-517-11	PLUG, CONNECTOR			
						CN143	1-750-395-11	SOCKET, CONNECT			
R3267	1-216-055-00	METAL GLAZE	1 8K	5%	1/10W	CN146	1-573-300-21	CONNECTOR, BOAI		18P	
R3268	1-216-053-00	METAL GLAZE	1 5K	5%	1/10W	CN147	1-750-395-11	SOCKET, CONNECT		•	
R3269	1-216-057-00	METAL GLAZE	2 2K	5%	1/10W	"""		2001121, 001111201			
R3270	1-216-657-11	METAL CHIP	1 8K		1/10W	CN148	1-564-517-11	PLUG, CONNECTOR	2 2 P		
R3271	1-216-655-11	METAL CHIP	1 5K		1/10W	011140	1 304 317-11	, LOO, CONNECTOR	1 41		
11.02/1	1-210-033-11	WIL IAL OHIP	ı JIX	0 00%	11 1044						

UA (KV-32S16(US))

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REF. NO	PART NO.	DESCRIPTION		REMARK	REF. NO	PART NO	DESCRIPTION			REMARK
11211110										
		DIODE				0.700.400.07	TRANSISTOR	2007	004.0	
		<diode></diode>			Q406	8-729-422-27	TRANSISTOR		09A-Q	
					Q410	8-729-422-27	TRANSISTOR		01A-Q	
D401	8-719-110-17	DIODE RD10ESB2			Q415	8-729-422-27	TRANSISTOR	2806	01A-Q	
D402	8-719-110-17	DIODE RD10ESB2					TD 44401070D	0057	004.0	
D403	8-719-110-17	DIODE RD10ESB2			Q416	8-729-422-27	TRANSISTOR		09A-Q	
D404	8-719-110-17	DIODE RD10ESB2			Q417	8-729-422-27	TRANSISTOR		09A-Q	
D405	8-719-110-17	DIODE RD10ESB2			Q418	8-729-422-27	TRANSISTOR	2SB7	09A-Q	
D408	8-719-110-17	DIODE RD10ESB2			ļ					
D409	8-719-110-17	DIODE RD10ESB2					<resistor></resistor>			
D410	8-719-110-17	DIODE RD10ESB2			1					
D411	8-719-110-17	DIODE RD10ESB2			R401	1-247-408-11		75	5% 1/4W	
D429	8-719-110-17	DIODE RD10ESB2			R402		METAL GLAZE	470K	5% 1/10W	
					R403		METAL GLAZE	470K	5% 1/10W	
D430	8-719-110-17	DIODE RD10ESB2			R404	1-247-408-11		75	5% 1/4W	
D431	8-719-110-17	DIODE RD10ESB2			R405	1-216-113-00	METAL GLAZE	470K	5% 1/10W	
D436	8-719-110-17	DIODE RD10ESB2			Į.					
D437	8-719-110-17	DIODE RD10ESB2			R406		METAL GLAZE	470K	5% 1/10W	'
					R407	1-247-804-11		75	5% 1/4W	
					R408		METAL GLAZE	470K	5% 1/10W	
		<ic></ic>			R409		METAL GLAZE	470K	5% 1/10W	1
					R410	1-249-425-11	CARBON	47K	5% 1/4W	
IC402	8-752-067-28	IC CXA1545AS]					
					R411	1-249-425-11	CARBON	47K	5% 1/4W	
					R412	1-249-425-11		47K	5% 1/4W	
		<jack></jack>			R413	1-249-425-11		47K	5% 1/4W	
					R414	1-247-408-11		75	5% 1/4W	
J401	1-750-515-11	TERMINAL BLOCK,S	3P		R415	1-249-425-11		47K	5% 1/4W	
J402	1-750-517-11	JACK BLOCK, PIN 3				,				
J404	1-750-516-11	JACK BLOCK, PIN 2			R416	1-216-647-11	METAL CHIP	680	0 5% 1/10W	1
דיידי	1-730 510 11	07,010 020 010, 1 111 2			R417		METAL CHIP	560	0 5% 1/10W	
					R421		METAL GLAZE	47K	5% 1/10W	
		<chip conductor<="" td=""><td>></td><td></td><td>R425</td><td></td><td>METAL GLAZE</td><td>47K</td><td>5% 1/10V</td><td></td></chip>	>		R425		METAL GLAZE	47K	5% 1/10V	
		COMP CONDOCTOR			R431		METAL GLAZE	1K	5% 1/10V	
JR402	1-216-295-91	CONDUCTOR, CHIP		(2012)	11431	1-210-043-31	WILING OLNZE	111	370 11104	
JR402 JR405	1-216-295-91	CONDUCTOR, CHIP		(2012)	R432	1 216 205-01	CONDUCTOR, C	HIP	(2012)	
		CONDUCTOR, CHIP		(2012)			METAL GLAZE	1K	5% 1/10V	ı
JR408	1-216-295-91	CONDUCTOR, CHIP		(2012)	R434		CONDUCTOR, C		(2012)	•
JR410	1-216-295-91	•			R435				5% 1/10V	ı
JR411	1-216-295-91	CONDUCTOR, CHIP		(2012)	R439		METAL GLAZE	1K		
15.440	4 040 005 04	CONDUCTOR CHIR		(2012)	R441	1-216-049-91	METAL GLAZE	1K	5% 1/10V	1
JR412	1-216-295-91	CONDUCTOR, CHIP		(2012)	D	4 040 005 00	METAL OLAZE	001/	5% 1/10V	ı
JR415	1-216-295-91	CONDUCTOR, CHIP		(2012)	R444		METAL GLAZE	82K	5% 1/10V	
JR416	1-216-295-91	CONDUCTOR, CHIP		(2012)	R445		METAL GLAZE	10K		
JR418	1-216-295-91	CONDUCTOR, CHIP		(2012)	R446		METAL GLAZE	10K	5% 1/10V	
JR419	1-216-295-91	CONDUCTOR, CHIP		(2012)	R450		METAL CHIP	470	0 5% 1/10V	
_		ACMENIATE TO THE		(0040)	R451	1-216-065-00	METAL GLAZE	4 7K	5% 1/10V	I
JR422	1-216-295-91	CONDUCTOR, CHIP		(2012)	1			COO	0.50/ 4/40/	,
JR428	1-216-295-91	CONDUCTOR, CHIP		(2012)	R453		METAL CHIP	560	0 5% 1/10V	į
JR429	1-216-295-91	CONDUCTOR, CHIP		(2012)	R454		CONDUCTOR, C		(2012)	
JR430	1-216-295-91	CONDUCTOR, CHIP		(2012)	R456		METAL GLAZE	470	5% 1/10V	
JR431	1-216-295-91	CONDUCTOR, CHIP		(2012)	R457		METAL GLAZE	220	5% 1/10V	
				(0.7.4.0)	R458	1-216-033-11	METAL GLAZE	220	5% 1/10V	V
JR434	1-216-295-91	CONDUCTOR, CHIP		(2012)						
JR498	1-216-295-91	CONDUCTOR, CHIP		(2012)	R478) METAL GLAZE	470	5% 1/10V	
JR499	1-216-295-91	CONDUCTOR, CHIP		(2012)	R482	1-249-417-11		1K	5% 1/4W	
					R483	1-249-417-11		1K	5% 1/4W	
					R490		I CONDUCTOR, O		(2012)	
		<coil></coil>			R491	1-216-295-91	CONDUCTOR, C	HIP	(2012)	
L401	1-410-473-11	INDUCTOR 18UH			R492	1-216-295-91	I CONDUCTOR, (HIP	(2012)	
L403	1-410-476-11	INDUCTOR 33UH			R1438	1-216-081-00) METAL GLAZE	22K	5% 1/10V	V
L404	1-410-669-31	INDUCTOR 33UH								
					1					
		<transistor></transistor>			****	******	*****	ARRAKARAKA	dektekkekkekkekkekk	kkiakkkkkkkkk
					1					
Q401	8-729-422-27	TRANSISTOR	2SD601A-Q		1					
Q405	8-729-422-27	TRANSISTOR	2SB709A-Q		1					
					1					

UA (KV-32S16 (Canadian))

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REF. NO	PART NO.	DESCRIPTION			REMARK	REF. NO	PART NO.	DESCRIPTION			REMARK
	* A-1394-544-A	UA BOARD, COMP		32S16 Canadiar	n MODEL)	JR412 JR415 JR416 JR418	1-216-295-91 1-216-295-91	CONDUCTOR, CH CONDUCTOR, CH CONDUCTOR, CH CONDUCTOR, CH	IP IP	(2012) (2012) (2012) (2012)	
		<capacitor></capacitor>									
C401 C402 C405 C409 C410	1-163-031-11 1-128-551-11 1-128-551-11 1-124-903-11 1-124-903-11	ELECT ELECT	0 01MF 22MF 22MF 1MF 1MF	50V 20% 25V 20% 25V 20% 50V 20% 50V		JR422 JR423 JR424 JR428 JR429	1-216-295-91 1-216-295-91 1-216-295-91	CONDUCTOR, CH CONDUCTOR, CH CONDUCTOR, CH CONDUCTOR, CH CONDUCTOR, CH	IP IP IP	(2012) (2012) (2012) (2012) (2012)	
C411 C412 C413 C414 C415	1-104-665-11 1-128-551-11 1-126-964-11 1-109-889-11 1-109-889-11	ELECT ELECT ELECT	100MF 22MF 10MF 1MF 1MF	20% 25V 20% 25V 20% 50V 20% 50V 20% 50V		JR430 JR431 JR434 JR435 JR499	1-216-295-91 1-216-295-91 1-216-295-91	CONDUCTOR, CH CONDUCTOR, CH CONDUCTOR, CH CONDUCTOR, CH CONDUCTOR, CH	IP IP IP	(2012) (2012) (2012) (2012) (2012)	
C416	1-126-964-11		10MF	20% 50V				<transistor></transistor>			
C420 C441 C470 C471	1-163-031-11 1-126-967-11 1-126-967-11 1-128-551-11	ELECT ELECT	0 01MF 47MF 47MF 22MF	50V 20% 16V 20% 16V 20% 25V		Q401 Q405 Q406	8-729-216-22	TRANSISTOR TRANSISTOR TRANSISTOR	2SD601A- 2SA1162-0 2SA1162-0	g.	
		<filter block=""></filter>						<resistor></resistor>			
CM401	1-467-554-21	FILTER BLOCK, CO	MB			R401 R402 R403		CARBON METAL GLAZE METAL GLAZE	75 470K 470K	5% 1/4W 5% 1/10W 5% 1/10W	
		<connector></connector>				R404 R407	1-247-804-11 1-247-804-11	CARBON	75	5% 1/4W 5% 1/4W	
CN143 CN147		SOCKET, CONNECT SOCKET, CONNECT				R412 R413 R415	1-249-425-11 1-249-425-11 1-249-425-11	CARBON CARBON	75 4 7K 4 7K 4 7K	5% 1/4W 5% 1/4W 5% 1/4W	
		<diode></diode>				R416 R417	1-216-647-11 1-216-645-11	METAL CHIP	680 560	0 5% 1/10W 0 5% 1/10W	
D401 D402 D408 D409 D410	8-719-110-17 8-719-110-17 8-719-110-17	DIODE RD10ESB2 DIODE RD10ESB2 DIODE RD10ESB2 DIODE RD10ESB2 DIODE RD10ESB2				R418 R421 R425 R431 R432	1-216-025-91 1-216-065-00 1-216-065-00 1-216-045-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	100 4 7K 4 7K 680 680	5% 1/10W 5% 1/10W 5% 1/10W 5% 1/10W 5% 1/10W	
D411	8-719-110-17	DIODE RD10ESB2				R434	1-216-045-00	METAL GLAZE	680	5% 1/10W	
IC401	8-759-634-69	<ic></ic>				R435 R439 R440 R441	1-216-049-91 1-216-025-91	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	680 1K 100 1K	5% 1/10W 5% 1/10W 5% 1/10W 5% 1/10W	
IC403 IC404		IC NJM2245M IC MM1118XFF				R442 R443 R444	1-216-025-91 1-216-025-91	METAL GLAZE METAL GLAZE METAL GLAZE	100 100 82K	5% 1/10W 5% 1/10W 5% 1/10W	
		<jack></jack>				R450	1-216-627-11	METAL CHIP	100	0 5% 1/10W	
J401	1-750-515-11	TERMINAL BLOCK,	S 3P			R453 R454	1-208-784-11 1-216-025-91	METAL GLAZE	1 2K 100	0 5% 1/10W 5% 1/10W	
		<chip conductor<="" td=""><td>₹></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></chip>	₹>								
JR402 JR405 JR408 JR409 JR410	1-216-295-91 1-216-295-91 1-216-295-91	CONDUCTOR, CHIF CONDUCTOR, CHIF CONDUCTOR, CHIF CONDUCTOR, CHIF CONDUCTOR, CHIF))	(2012) (2012) (2012) (2012) (2012)		*****	*******	************	******	**********	****
JR411	1-216-295-91	CONDUCTOR, CHIF)	(2012)							

The components identified by shading and mark ⚠ are critical for safety Replace only with part number

Les composants identifies par une trame et une marque Assont critiques pour la securite. Ne les remplacer que par une piece portant le numero specifie

specifie	e only with pa d	portant le numero spe	
REF. NO	PART NO.	DESCRIPTION	REMARK REF. NO
		MISCELLANEOUS	
	1-402-952-11 1-417-178-11 1-504-524-11 1-504-531-11 1-544-549-11	COIL DEMAGNETIZATION SELECTOR, ANTENNA (AS-2) (KV-32V16) SPEAKER (8CM) (KV-32V16) SPEAKER (13 1X6 2CM) (KV-32S12/32S16) SPEAKER (KV-32TW67/32TW68)	5)
•	1-751-135-11 1-751-136-11 1-766-374-11	CORD, POWER (WITH CONNECTOR) 10/2 CABLE, PIN (KV-32V16) CABLE, PIN (KV-32V16) PLUG, F-PIN (KV-32S12/32S16/32TW67/3: DEFLECTION YOKE Y34FXA (YTM)	
V901 A	8-733-739-05	PICTURE TUBE (A80JYV51X)	
		ACCESSORIES AND MATERIALS	
	1-769-181-11 2-352-981-01 2-359-505-01	DOOR ASSY, GLASS (KV-32TW67/32TW6 MOUSE, INTERIJENT CABLE (KV-32V16) SPACER (KV-32WT67/32TW68) RETAINER, MAGNET (KV-32TW67/32YW SHEET (STANDARD), PROTECTION	68)
	3-756-618-21	MANUAL, INSTRUCTION (ENGLISH)	TW67/32TW68) W67 /32TW68)
	3-756-618-41	MANUAL, INSTRUCTION (SPANISH)	W67 /32TW68)
	3-758-286-21		S16 (Canadian))
	3-758-286-31	MANUAL, INSTRUCTION (FRENCH) (KV-32	S16 (Canadian))
	3-758-289-21	(KV-32S12/32S	S16 (US)/32V16)
		MANUAL, INSTRUCTION (FRENCH) (KV-32S12 (Canadian) /32	V16 (Canadian))
	3-758-289-41	MANUAL, INSTRUCTION (SPANISH) (KV-32S12 (US) /32S16 (U	JS) /32V16 (US))
	3-758-287-21		E (KV-32V16 (US))
	3-758-287-31	(KV-32	V16 (Canadian))
	3-758-287-41	·	E (KV-32V16 (US))
	* 4-030-895-01 * 4-040-144-01	JOINT (KV32TW67/32TW68) CUSHION (LOWER) (ASSY) (KV-32S12/3	2S16)
	* 4-043-598-01 * 4-040-146-01 * 4-040-420-02	CUSHION (LOWER) (ASSY) (KV-32TW67 CUSHION (LOWER) (ASSY) (KV-32V16) INDIVIDUAL CARTON (KV-32S12/32S16) INDIVIDUAL CARTON (KV-32TW67/32TW INDIVIDUAL CARTON (KV-32V16)	
	* 4-043-597-01	CUSHION (UPPER) (ASSY) (KV-32TW67, CUSHION (UPPER) (ASSY) (KV-32V16) CUSHION (UPPER) (ASSY) (KV-32S12/3:	
	* 4-040-414-01	SHEET, CORRUGATED FIBERBOARD	2TW67/32TW68)
	* 4-040-416-01	TRAY (KV-32TW/32TW68)	
	4-041-162-01	PIN, RACK (KV-32TW67/32TW68)	

DESCRIPTION

PART NO

9-903-826-01 COVER, BATTERY (FOR RM-118) (KV-32TW67/32TW68)

9-903-826-01 COVER, BATTERY (FOR RM-116) (KV-32S16 (Canadian))

1-467-621-11 REMOTE COMMANDER (RM-Y121)

1-467-059-21 REMOTE COMMANDER (RM-Y118)

(KV-32S12/32S16 (US)/32V16)

REMARK

9-907-089-01 COVER, BATTERY (FOR RM-Y121) (KV-32S12/32S16 (US)/32V16) KV-32S12/32S16/32TW67 RM-Y116 RM-Y121 RM-Y118 KV-32TW68/32V16 RM-Y118 RM-Y121